

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
30 January 2003 (30.01.2003)

PCT

(10) International Publication Number  
**WO 03/007883 A2**

(51) International Patent Classification<sup>7</sup>: **A61K**

(74) Agents: **PATEL, Rena** et al.; Bristol-Myers Squibb Company, P.O. Box 4000, Princeton, NJ 08543-4000 (US).

(21) International Application Number: **PCT/US02/22663**

(22) International Filing Date: **16 July 2002 (16.07.2002)**

(25) Filing Language: **English**

(26) Publication Language: **English**

(30) Priority Data:  
**09/906,963** **16 July 2001 (16.07.2001)** **US**

(71) Applicant (for all designated States except US): **BRISTOL-MYERS SQUIBB PHARMA COMPANY** [US/US]; P. O. Box 4000, Route 206 and Provinceline Road, Princeton, NJ 08543-4000 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **NUGIEL, David** [US/US]; 8 Vancassan Court, Cherry Hill, NJ 08003 (US). **CARINI, David** [US/US]; 1921 Julian Road, Wilmington, DE 19803 (US). **DIMEO, Susan** [US/US]; 406 Clayton Avenue, Wilmington, DE 19809 (US). **VIDWANS, Anup** [IN/US]; 25 Angelica Drive, Avondale, PA 19311 (US). **YUE, Eddy** [US/US]; 9 Altemus Drive, Landenberg, PA 19350 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

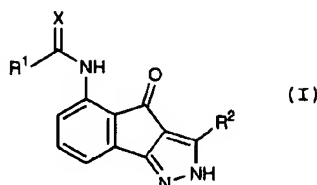
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **ACYLSEMICARBAZIDES AS CYCLIN DEPENDENT KINASE INHIBITORS USEFUL AS ANTI-CANCER AND ANTI-PROLIFERATIVE AGENTS**



(57) Abstract: The present invention relates to the synthesis of a new class of indeno[1,2-c]pyrazol-4-ones of formula (I) that are potent inhibitors of the class of enzymes known as cyclin dependent kinases, which relate to the catalytic subunits cdk1-7 and their regulatory subunits known as cyclins A-G. This invention also provides a novel method of treating cancer or other proliferative diseases by administering a therapeutically effective amount of one of these compounds or a pharmaceutically acceptable salt form thereof. Alternatively, one can treat cancer or other proliferative diseases by administering a therapeutically effective combination of one of the compounds of the present invention and one or more other known anti-cancer or anti-proliferative agents.

5

## TITLE

Acylsemicarbazides as Cyclin Dependent Kinase Inhibitors  
Useful as Anti-Cancer and Anti-Proliferative Agents

## CROSS REFERENCE TO RELATED APPLICATIONS

10 This application is a continuation-in-part  
application of U.S. Serial No. 09/692,023, Filed October 19,  
2000, entitled "ACYLSEMICARBAZIDES AND THEIR USES", which is  
a non-provisional filing of provisional application  
60/160,713, filed October 20, 1999, entitled  
15 "ACYLSEMICARBAZIDES AS CYCLIN DEPENDENT KINASE INHIBITORS  
USEFUL AS ANTI-CANCER AND ANTI-PROLIFERATIVE AGENTS" which  
applications are herein incorporated by reference in their  
entirety as though set forth in full.

20

## FIELD OF THE INVENTION

This invention relates generally to novel 5-  
substituted-indeno[1,2-c]pyrazol-4-ones which are useful as  
cyclin dependent kinase (cdk) inhibitors, pharmaceutical  
compositions comprising the same, methods for using the same  
25 for treating proliferative diseases, and intermediates and  
processes for making the same.

## BACKGROUND OF THE INVENTION

One of the most important and fundamental processes in  
30 biology is the division of cells mediated by the cell cycle.  
This process ensures the controlled production of subsequent  
generations of cells with defined biological function. It is  
a highly regulated phenomenon and responds to a diverse set  
of cellular signals both within the cell and from external  
35 sources. A complex network of tumor promoting and  
suppressing gene products are key components of this

5 cellular signaling process. Over expression of the tumor promoting components or the subsequent loss of the tumor suppressing products will lead to unregulated cellular proliferation and the generation of tumors (Pardee, Science 246:603-608, 1989).

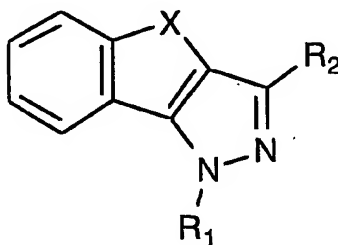
10 Cyclin dependent kinases (cdks) play a key role in regulating the cell cycle machinery. These complexes consist of two components: a catalytic subunit (the kinase) and a regulatory subunit (the cyclin). To date, six kinase subunits (cdk 1-7) have been identified along with several  
15 regulatory subunits (cyclins A-H). Each kinase associates with a specific regulatory partner and together make up the active catalytic moiety. Each transition of the cell cycle is regulated by a particular cdk complex: G1/S by cdk2/cyclin E, cdk4/cyclin D1 and cdk6/cyclinD2; S/G2 by  
20 cdk2/cyclin A and cdk1/cyclin A; G2/M by cdk1/B. The coordinated activity of these kinases guides the individual cells through the replication process and ensures the vitality of each subsequent generation (Sherr, Cell 73:1059-1065, 1993; Draetta, Trends Biochem. Sci. 15:378-382, 1990)

25 An increasing body of evidence has shown a link between tumor development and cdk related malfunctions. Over expression of the cyclin regulatory proteins and subsequent kinase hyperactivity have been linked to several types of cancers (Jiang, Proc. Natl. Acad. Sci. USA 90:9026-9030, 1993; Wang, Nature 343:555-557, 1990). More recently,  
30 endogenous, highly specific protein inhibitors of cdks were found to have a major affect on cellular proliferation (Kamb et al, Science 264:436-440, 1994; Beach, Nature 336:701-704, 1993). These inhibitors include p16<sup>INK4</sup> (an inhibitor of  
35 cdk4/D1), p21<sup>CIP1</sup> (a general cdk inhibitor), and p27<sup>KIP1</sup> (a specific cdk2/E inhibitor). A recent crystal structure of

5 p27 bound to cdk2/A revealed how these proteins effectively  
inhibit the kinase activity through multiple interactions  
with the cdk complex (Pavletich, Nature 382:325-331, 1996).  
These proteins help to regulate the cell cycle through  
specific interactions with their corresponding cdk  
10 complexes. Cells deficient in these inhibitors are prone to  
unregulated growth and tumor formation.

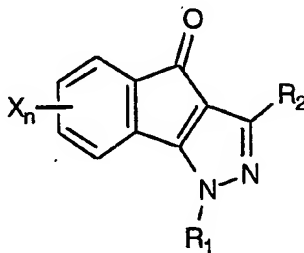
This body of evidence has led to an intense search for  
small molecule inhibitors of the cdk family as an approach  
to cancer chemotherapy.

15 A series of indeno[1,2-c]pyrazoles having anticancer  
activity are described in JP 60130521 and JP 62099361 with  
the following generic structure:



20

A series of indeno[1,2-c]pyrazoles having herbicidal  
activity are described in GB 2223946 with the following  
generic structure:

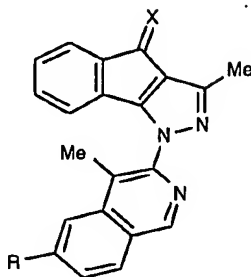


25

A series of 1-(6'-substituted-4'-methylquinol-2'-yl)-3-  
methylinde[n]o[1,2-c]pyrazoles having CNS activity are



5 described by Quraishi, Farmaco 44:753-8, 1989 with the following generic structure:



10 There is a continuing unmet need for cdk inhibitors with which to treat proliferative diseases.

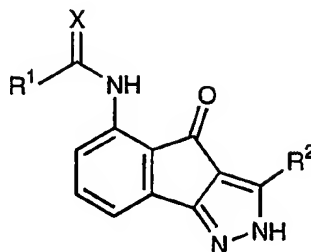
#### SUMMARY OF THE INVENTION

The present invention describes a novel class of  
15 indeno[1,2-c]pyrazol-4-ones or pharmaceutically acceptable salt forms thereof that are potent inhibitors of the class of enzymes known as cyclin dependent kinases, which relate to the catalytic subunits cdk 1-7 and their regulatory subunits know as cyclins A-H.

20 The present invention is also directed to a novel method of treating cancer or other proliferative diseases by administering a therapeutically effective amount of one of these compounds or a pharmaceutically acceptable salt form thereof.

25 A novel method of treating cancer or other proliferative diseases, which comprises administering a therapeutically effective combination of one of the compounds of the present invention and one or more other known anti-cancer or anti-proliferative agents is also  
30 described herein.

5       The present invention also describes compounds of  
formula (I):



10 (I)

wherein R<sub>1</sub>, R<sub>2</sub> and X are defined below or pharmaceutically acceptable salts thereof as cyclin dependent kinase inhibitors.

15

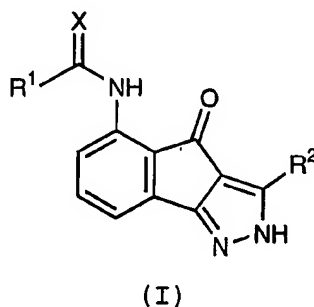
## DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

The invention pertains to novel cyclin dependent kinase inhibitors (cdks) and specifically, but not exclusively, as inhibitors of cdk/cyclin complexes. The inhibitors of this invention are indeno[1,2-c]pyrazol-4-one analogs. Certain analogs were selective for their activity against cdks and their cyclin bound complexes and were less active against other known serine/threonine kinases such as Protein Kinase A (PKA) and Protein Kinase C (PKC). In addition, these inhibitors were less active against tyrosine kinases such as c-Abl.

As described herein, the inhibitors of this invention are capable of inhibiting the cell-cycle machinery and consequently would be useful in modulating cell-cycle progression, which would ultimately control cell growth and differentiation. Such compounds would be useful for treating subjects having disorders associated with excessive cell

5 proliferation, such as the treatment of cancer, psoriasis, immunological disorders involving unwanted leukocyte proliferation, in the treatment of restinosis and other smooth muscle cell disorders, and the like.

The present invention, in a first embodiment, describes  
10 a novel compound of formula (I):



15 or a stereoisomer or pharmaceutically acceptable salt form thereof, wherein:

X is selected from the group: O, S, and NR;

20 R is selected from the group: H, C<sub>1-4</sub> alkyl, and NR<sup>5</sup>R<sup>5a</sup>;

R<sup>1</sup> is selected from the group: H, C<sub>1-10</sub> alkyl substituted with 0-3 R<sup>c</sup>, C<sub>2-10</sub> alkenyl substituted with 0-3 R<sup>c</sup>, C<sub>2-10</sub> alkynyl substituted with 0-3 R<sup>c</sup>, C<sub>1-10</sub> alkoxy, -NHR<sup>4</sup>, C<sub>3-10</sub> carbocycle substituted with 0-5 R<sup>a</sup>, and 3-10 membered heterocycle containing from 1-4 heteroatoms selected from O, N, and S and substituted with 0-5 R<sup>b</sup>;

25

5  $R^2$  is selected from the group: H, C<sub>1</sub>-10 alkyl substituted  
with 0-3  $R^C$ , C<sub>2</sub>-10 alkenyl substituted with 0-3  $R^C$ ,  
C<sub>2</sub>-10 alkynyl substituted with 0-3  $R^C$ ,  $-(CF_2)_mCF_3$ ,  
C<sub>3</sub>-10 carbocycle substituted with 0-5  $R^a$ , and 3-10  
membered heterocycle containing from 1-4 heteroatoms  
10 selected from O, N, and S and substituted with 0-5  $R^b$ ;

$R^3$  is selected from the group: H, halo, -CN, NO<sub>2</sub>, C<sub>1</sub>-4  
haloalkyl,  $NR^5R^{5a}$ ,  $NR^5NR^5R^{5a}$ ,  $NR^5C(O)OR^5$ ,  $NR^5C(O)R^5$ ,  
=O,  $OR^5$ ,  $COR^5$ ,  $CO_2R^5$ ,  $CONR^5R^{5a}$ ,  $NHC(O)NR^5R^{5a}$ ,  
15  $NHC(S)NR^5R^{5a}$ ,  $SO_2NR^5R^{5a}$ ,  $SO_2R^{5b}$ , C<sub>1</sub>-4 alkyl, phenyl,  
benzyl, C<sub>1</sub>-4 alkyl substituted with 1-3  $R^C$ , C<sub>5</sub>-10 alkyl  
substituted with C<sub>2</sub>-10 alkenyl optionally substituted  
with 0-3  $R^6$ , C<sub>2</sub>-10 alkynyl substituted with 0-3  $R^6$ , -  
( $CF_2$ )<sub>m</sub>CF<sub>3</sub>, C<sub>3</sub>-10 carbocycle substituted with 0-5  $R^6$ ,  
20 and 5-10 membered heterocycle containing from 1-4  
heteroatoms selected from O, N, and S, substituted with  
0-3  $R^6$ ; and

provided that if  $R^3$  is phenyl, it is substituted with 1-5  
 $R^a$ ;

25

$R^4$  is independently at each occurrence selected from the  
group: H, -CN, C<sub>1</sub>-4 alkyl, C<sub>1</sub>-4 haloalkyl,  $NR^3R^{3a}$ ,  
 $NR^3C(O)OR^3$ ,  $NR^3C(O)R^3$ ,  $OR^3$ ,  $COR^3$ ,  $CO_2R^3$ ,  $CONR^3R^{3a}$ ,  
 $NHC(O)NR^3R^{3a}$ ,  $NHC(S)NR^3R^{3a}$ ,  $SO_2NR^3R^{3a}$ ,  $SO_2R^{3b}$ , C<sub>3</sub>-10  
30 carbocycle substituted with 0-5  $R^a$ , and 5-10 membered

5 heterocycle containing from 1-4 heteroatoms selected from O, N, and S, substituted with 0-3  $R^3$ ;

provided that at least one  $R^3$  is present and that this  $R^3$  is selected from the group: C<sub>1-4</sub> alkyl substituted with 1-3  $R^6$ , C<sub>5-10</sub> alkyl substituted with C<sub>2-10</sub> alkenyl  
10 optionally substituted with 0-3  $R^6$ , C<sub>2-10</sub> alkynyl substituted with 0-3  $R^6$ ,  $-(CF_2)_mCF_3$ , C<sub>3-10</sub> carbocycle substituted with 0-5  $R^6$ , and 5-10 membered heterocycle containing from 1-4 heteroatoms selected from O, N, and  
15 S, substituted with 0-3  $R^6$ ;

$R^a$  is independently at each occurrence selected from the group: halo, -CN,  $N_3$ , NO<sub>2</sub>, C<sub>1-4</sub> alkyl, C<sub>1-4</sub> haloalkyl,  $NR^3R^{3a}$ , =O, OR<sup>3</sup>, COR<sup>3</sup>, CO<sub>2</sub>R<sup>3</sup>, CONR<sup>3</sup>R<sup>3a</sup>,  
20 NHC(O)NR<sup>3</sup>R<sup>3a</sup>, NHC(S)NR<sup>3</sup>R<sup>3a</sup>, NR<sup>3</sup>C(O)OR<sup>3</sup>, NR<sup>3</sup>C(O)R<sup>3</sup>, SO<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, SO<sub>2</sub>R<sup>3b</sup>, and 5-10 membered heterocycle containing from 1-4 heteroatoms selected from O, N, and S;

25 alternatively, when two  $R^a$ 's are present on adjacent carbon atoms they combine to form -OCH<sub>2</sub>O- or -OCH<sub>2</sub>CH<sub>2</sub>O-;

$R^b$  is independently at each occurrence selected from the group: halo, -CN, NO<sub>2</sub>, C<sub>1-4</sub> alkyl, C<sub>1-4</sub> haloalkyl,  $NR^3R^{3a}$ , NR<sup>3</sup>C(O)OR<sup>3</sup>, NR<sup>3</sup>C(O)R<sup>3</sup>, OR<sup>3</sup>, COR<sup>3</sup>, CO<sub>2</sub>R<sup>3</sup>,  
30

5         $\text{CONR}^3\text{R}^{3a}$ ,  $\text{NHC}(\text{O})\text{NR}^3\text{R}^{3a}$ ,  $\text{NHC}(\text{S})\text{NR}^3\text{R}^{3a}$ ,  $\text{SO}_2\text{NR}^3\text{R}^{3a}$ , and  
       $\text{SO}_2\text{R}^{3b}$ ;

$\text{R}^c$  is independently at each occurrence selected from the  
      group: halo,  $-\text{CN}$ ,  $\text{NO}_2$ ,  $\text{C}_{1-4}$  alkyl,  $\text{C}_{1-4}$  haloalkyl,  
10         $\text{NR}^3\text{R}^{3a}$ ,  $\text{NR}^5\text{NR}^5\text{R}^{5a}$ ,  $\text{NR}^3\text{C}(\text{O})\text{OR}^3$ ,  $\text{NR}^3\text{C}(\text{O})\text{R}^3$ ,  $=\text{O}$ ,  $\text{OR}^3$ ,  
       $\text{COR}^3$ ,  $\text{CO}_2\text{R}^3$ ,  $\text{CONR}^3\text{R}^{3a}$ ,  $\text{NHC}(\text{O})\text{NR}^3\text{R}^{3a}$ ,  $\text{NHC}(\text{S})\text{NR}^3\text{R}^{3a}$ ,  
       $\text{SO}_2\text{NR}^3\text{R}^{3a}$ ,  $\text{SO}_2\text{R}^{3b}$ ,  $\text{C}_{3-10}$  carbocycle substituted with  
      0-5  $\text{R}^a$ , and 5-10 membered heterocycle containing from  
      1-4 heteroatoms selected from O, N, and S, substituted  
15        with 0-3  $\text{R}^3$ ;

$\text{R}^{3a}$  is selected from the group: H,  $\text{C}_{1-4}$  alkyl, phenyl, and  
      benzyl;

20        alternatively,  $\text{R}^3$  and  $\text{R}^{3a}$ , together with the nitrogen atom  
      to which they are attached, form a heterocycle having  
      4-8 atoms in the ring containing an additional 0-1 N,  
      S, or O atom and substituted with 0-3  $\text{R}^{3c}$ ;

25         $\text{R}^{3b}$  is selected from the group: H,  $\text{C}_{1-4}$  alkyl, phenyl, and  
      benzyl;

$\text{R}^{3c}$  is independently at each occurrence selected from the  
      group: halo,  $-\text{CN}$ ,  $\text{N}_3$ ,  $\text{NO}_2$ ,  $\text{C}_{1-4}$  alkyl,  $\text{C}_{1-4}$   
30        haloalkyl,  $\text{NR}^3\text{R}^{3b}$ ,  $=\text{O}$ ,  $\text{OR}^3$ ,  $\text{COR}^3$ ,  $\text{CO}_2\text{R}^3$ ,  $\text{CONR}^3\text{R}^{3b}$ ,  
       $\text{NHC}(\text{O})\text{NR}^3\text{R}^{3b}$ ,  $\text{NHC}(\text{S})\text{NR}^3\text{R}^{3b}$ ,  $\text{NR}^3\text{C}(\text{O})\text{OR}^3$ ,  $\text{NR}^3\text{C}(\text{O})\text{R}^3$ ,

5         $\text{SO}_2\text{NR}^3\text{R}^{3b}$ ,  $\text{SO}_2\text{R}^{3b}$ , and 5-10 membered heterocycle  
containing from 1-4 heteroatoms selected from O, N, and  
S;

$\text{R}^5$  is independently selected from the group: H, C1-4 alkyl,  
10        phenyl and benzyl;

$\text{R}^{5a}$  is independently selected from the group: H, C1-4  
alkyl, phenyl and benzyl;

15     $\text{R}^{5b}$  is independently selected from the group: H, C1-4  
alkyl, phenyl and benzyl;

$\text{R}^6$  is independently at each occurrence selected from the  
group: halo, -CN,  $\text{NO}_2$ , C1-4 alkyl, C1-4 haloalkyl,  
20         $\text{NR}^5\text{R}^5$ ,  $\text{NR}^5\text{NR}^5\text{R}^{5a}$ ,  $\text{NR}^5\text{C}(\text{O})\text{OR}^5$ ,  $\text{NR}^5\text{C}(\text{O})\text{R}^5$ , =O,  $\text{OR}^5$ ,  $\text{COR}^5$ ,  
 $\text{CO}_2\text{R}^5$ ,  $\text{CONR}^5\text{R}^{5a}$ ,  $\text{NHC}(\text{O})\text{NR}^5\text{R}^{5a}$ ,  $\text{NHC}(\text{S})\text{NR}^5\text{R}^{5a}$ ,  $\text{SO}_2\text{NR}^5\text{R}^{5a}$ ,  
 $\text{SO}_2\text{R}^{5b}$ , C3-10 carbocycle substituted with 0-5  $\text{R}^5$ , and  
5-10 membered heterocycle containing from 1-4  
heteroatoms selected from O, N, and S, substituted with  
25        0-3  $\text{R}^5$ ; and

m is selected from 0, 1, 2, and 3.

      In another embodiment of the present invention, the  
30        compounds of formula (I) are selected from:

3-(4-methoxyphenyl)-5-(2-  
benzoylhydrazinecarboxamido)indeno[1,2-c]pyrazol-4-one;

- 5 3-(4-methoxyphenyl)-5-(2-  
isonicotinoylhydrazinecarboxamido)indeno[1,2-c]pyrazol-  
4-one;
- 10 3-(4-methoxyphenyl)-5-(2-nicotinoylhydrazinecarbox  
amido)indeno[1,2-c]pyrazol-4-one;
- 3-(4-methoxyphenyl)-5-(2-(3,4-dihydroxybenzoyl)hydrazine  
carboxamido)indeno[1,2-c]pyrazol-4-one;
- 15 3-(4-methoxyphenyl)-5-(2-(4-hydroxybenzoyl)hydrazine  
carboxamido)indeno[1,2-c]pyrazol-4-one;
- 3-(4-methoxyphenyl)-5-(2-(3-aminobenzoyl)hydrazine  
carboxamido)indeno[1,2-c]pyrazol-4-one;
- 20 3-(4-methoxyphenyl)-5-(2-(4-aminobenzoyl)hydrazine  
carboxamido)indeno[1,2-c]pyrazol-4-one;
- 3-(4-methoxyphenyl)-5-(2-(2-aminobenzoyl)hydrazine  
carboxamido)indeno[1,2-c]pyrazol-4-one;
- 25 3-(4-methoxyphenyl)-5-(2-(4-N,N-dimethylaminobenzoyl)  
hydrazinecarboxamido)indeno[1,2-c]pyrazol-4-one;
- 30 3-(4-methoxyphenyl)-5-(2-phenethylacetylhydrazine  
carboxamido)indeno[1,2-c]pyrazol-4-one;
- 3-(4-methoxyphenyl)-5-(2-(2-hydroxybenzoyl)hydrazine  
carboxamido)indeno[1,2-c]pyrazol-4-one; and
- 35



- 5 3-(4-methoxyphenyl)-5-(2-methoxycarbonyl  
hydrazinecarboxamido)indeno[1,2-c]pyrazol-4-one;
- 1-[3-(4-methoxy-phenyl)-4-oxo-2,4-dihydro-indeno[1,2  
-c]pyrazol-5-yl]-3-morpholin-4-yl-urea;
- 10 [3-(4-methoxy-phenyl)-4-oxo-2,4-dihydro-indeno[1,2  
-c]pyrazol-5-yl]-urea;
- 1-(2-amino-cyclohexyl)-3-[3-(4-methoxy-phenyl)-4-oxo-2,4  
15 -dihydro-indeno[1,2-c]pyrazol-5-yl]-urea;
- 2-(4-aminomethyl-piperidin-1-yl)-N-[3-(4-methoxy-phenyl)-4  
-oxo-2,4-dihydro-indeno[1,2-c]pyrazol-5-yl]-acetamide;
- 20 1-[3-(4-methoxy-phenyl)-4-oxo-2,4-dihydro-indeno[1,2  
-c]pyrazol-5-yl]-3-morpholin-4-yl-urea.

or pharmaceutically acceptable salt form thereof.

- 25 Another embodiment of the present invention is a  
pharmaceutical composition comprising: a pharmaceutically  
acceptable carrier and a therapeutically effective amount of  
a compound of formula (I).

- 30 Another embodiment of the present invention is a method  
of treating cancer and proliferative diseases comprising:  
administering to a host in need of such treatment a  
therapeutically effective amount of a compound of formula  
(I), or a pharmaceutically effective salt form thereof.

35

#### DEFINITIONS

5           As used herein, the following terms and expressions  
have the indicated meanings. The compounds of the present  
invention may contain an asymmetrically substituted carbon  
atom, and may be isolated in optically active or racemic  
forms. It is well known in the art how to prepare optically  
10 active forms, such as by resolution of racemic forms or by  
synthesis from optically active starting materials. All  
chiral, diastereomeric, racemic forms and all geometric  
isomeric forms of a structure are intended, unless the  
specific stereochemistry or isomer form is specifically  
15 indicated.

The term "alkyl" is intended to include both branched  
and straight-chain saturated aliphatic hydrocarbon groups  
having the specified number of carbon atoms. Examples of  
alkyl include, but are not limited to, methyl, ethyl, n-  
20 propyl, i-propyl, n-butyl, s-butyl, t-butyl, n-pentyl, and  
s-pentyl. In addition, the term is intended to include both  
unsubstituted and substituted alkyl groups, the latter  
referring to alkyl moieties having one or more hydrogen  
substituents replaced by, but not limited to halogen,  
25 hydroxyl, carbonyl, alkoxy, ester, ether, cyano, phosphoryl,  
amino, imino, amido, sulfhydryl, alkythio, thioester,  
sulfonyl, nitro, heterocyclo, aryl or heteroaryl. It will  
also be understood by those skilled in the art that the  
substituted moieties themselves can be substituted as well  
30 when appropriate.

The terms "halo" or "halogen" as used herein refer to  
fluoro, chloro, bromo and iodo. The term "aryl" is intended  
to mean an aromatic moiety containing the specified number  
of carbon atoms, such as, but not limited to phenyl, indanyl  
35 or naphthyl. The terms "cycloalkyl" and "bicycloalkyl" are  
intended to mean any stable ring system, which may be

5 saturated or partially unsaturated. Examples of such include, but are not limited to, cyclopropyl, cyclopentyl, cyclohexyl, norbornyl, bicyclo[2.2.2]nonane, adamantyl, or tetrahydronaphthyl (tetralin).

As used herein, "carbocycle" or "carbocyclic residue"  
10 is intended to mean any stable 3- to 7-membered monocyclic or bicyclic or 7- to 13-membered bicyclic or tricyclic, any of which may be saturated, partially unsaturated, or aromatic. Examples of such carbocycles include, but are not limited to, cyclopropyl, cyclobutyl, cyclopentyl,  
15 cyclohexyl, cycloheptyl, adamantyl, cyclooctyl, [3.3.0]bicyclooctane, [4.3.0]bicyclononane, [4.4.0]bicyclodecane (decalin), [2.2.2]bicyclooctane, fluorenyl, phenyl, naphthyl, indanyl, adamantyl, or tetrahydronaphthyl (tetralin).

20 As used herein, the term "heterocycle" or "heterocyclic system" is intended to mean a stable 5- to 7- membered monocyclic or bicyclic or 7- to 10-membered bicyclic heterocyclic ring which is saturated partially unsaturated or unsaturated (aromatic), and which consists of carbon  
25 atoms and from 1 to 4 heteroatoms independently selected from the group consisting of N, O and S and including any bicyclic group in which any of the above-defined heterocyclic rings is fused to a benzene ring. The nitrogen and sulfur heteroatoms may optionally be oxidized. The  
30 heterocyclic ring may be attached to its pendant group at any heteroatom or carbon atom which results in a stable structure. The heterocyclic rings described herein may be substituted on carbon or on a nitrogen atom if the resulting compound is stable. If specifically noted, a nitrogen in  
35 the heterocycle may optionally be quaternized. It is preferred that when the total number of S and O atoms in the

- 5 heterocycle exceeds 1, then these heteroatoms are not adjacent to one another. It is preferred that the total number of S and O atoms in the heterocycle is not more than 1. As used herein, the term "aromatic heterocyclic system" is intended to mean a stable 5- to 7- membered monocyclic or  
10 bicyclic or 7- to 10-membered bicyclic heterocyclic aromatic ring which consists of carbon atoms and from 1 to 4 heterotams independently selected from the group consisting of N, O and S. It is preferred that the total number of S and O atoms in the aromatic heterocycle is not more than 1.
- 15 Examples of heterocycles include, but are not limited to, 1H-indazole, 2-pyrrolidonyl, 2H,6H-1,5,2-dithiazinyl, 2H-pyrrolyl, 3H-indolyl, 4-piperidonyl, 4aH-carbazole, 4H-quinolizinyll, 6H-1,2,5-thiadiazinyl, acridinyl, azocinyl, benzimidazolyl, benzofuranyl, benzothiofuranyl,  
20 benzothiophenyl, benzoxazolyl, benzthiazolyl, benztriazolyl, benztetrazolyl, benzisoxazolyl, benzisothiazolyl, benzimidazalonyl, carbazolyl, 4aH-carbazolyl, b-carbolinyl, chromanyl, chromenyl, cinnolinyl, decahydroquinolinyl, 2H,6H-1,5,2-dithiazinyl, dihydrofuro[2,3-b]tetrahydrofuran,  
25 furanyl, furazanyl, imidazolidinyl, imidazolinyl, imidazolyl, 1H-indazolyl, indolenyl, indolinyl, indolizinyll, indolyl, isobenzofuranyl, isochromanyl, isoindazolyl, isoindolinyl, isoindolyl, isoquinolinyl, isothiazolyl, isoxazolyl, morpholinyl, naphthyridinyl,  
30 octahydroisoquinolinyl, oxadiazolyl, 1,2,3-oxadiazolyl, 1,2,4-oxadiazolyl, 1,2,5-oxadiazolyl, 1,3,4-oxadiazolyl, oxazolidinyl., oxazolyl, oxazolidinylperimidinyl, phenanthridinyl, phenanthrolinyl, phenarsazinyl, phenazinyl, phenothiazinyl, phenoxathiinyl, phenoxazinyl, phthalazinyl,  
35 piperazinyl, piperidinyl, pteridinyl, piperidonyl, 4-piperidonyl, pteridinyl, purinyl, pyranyl, pyrazinyl,

5 pyrazolidinyl, pyrazolinyl, pyrazolyl, pyridazinyl,  
pyridooxazole, pyridoimidazole, pyridothiazole, pyridinyl,  
pyridyl, pyrimidinyl, pyrrolidinyl, pyrrolinyl, pyrrolyl,  
quinazolinyl, quinolinyl, 4H-quinoliziny, quinoxaliny,  
quinuclidiny, carboliny, tetrahydrofurany,  
10 tetrahydroisoquinolinyl, tetrahydroquinolinyl, 6H-1,2,5-  
thiadiaziny, 1,2,3-thiadiazolyl, 1,2,4-thiadiazolyl, 1,2,5-  
thiadiazolyl, 1,3,4-thiadiazolyl, thianthrenyl, thiazolyl,  
thienyl, thienothiazolyl, thienooxazolyl, thienoimidazolyl,  
thiophenyl, triazinyl, 1,2,3-triazolyl, 1,2,4-triazolyl,  
15 1,2,5-triazolyl, 1,3,4-triazolyl, xanthenyl. Preferred  
heterocycles include, but are not limited to, pyridinyl,  
furany, thienyl, pyrroly, pyrazolyl, imidazolyl, indolyl,  
benzimidazolyl, 1H-indazolyl, oxazolidinyl, benzotriazolyl,  
benzisoxazolyl, oxindolyl, benzoxazolinyl, or isatinoyl.  
20 Also included are fused ring and spiro compounds containing,  
for example, the above heterocycles.

As used herein, "pharmaceutically acceptable salts"  
refer to derivatives of the disclosed compounds wherein the  
parent compound is modified by making acid or base salts  
25 thereof. Examples of pharmaceutically acceptable salts  
include, but are not limited to, mineral or organic acid  
salts of basic residues such as amines; alkali or organic  
salts of acidic residues such as carboxylic acids; and the  
like. The pharmaceutically acceptable salts include the  
30 conventional non-toxic salts or the quaternary ammonium  
salts of the parent compound formed, for example, from non-  
toxic inorganic or organic acids. For example, such  
conventional non-toxic salts include those derived from  
inorganic acids such as hydrochloric, hydrobromic, sulfuric,  
35 sulfamic, phosphoric, nitric and the like; and the salts  
prepared from organic acids such as acetic, propionic,

5 succinic, glycolic, stearic, lactic, malic, tartaric,  
citric, ascorbic, pamoic, maleic, hydroxymaleic,  
phenylacetic, glutamic, benzoic, salicylic, sulfanilic, 2-  
acetoxybenzoic, fumaric, toluenesulfonic, methanesulfonic,  
ethane disulfonic, oxalic, isethionic, and the like.

10 The pharmaceutically acceptable salts of the present  
invention can be synthesized from the parent compound which  
contains a basic or acidic moiety by conventional chemical  
methods. Generally, such salts can be prepared by reacting  
the free acid or base forms of these compounds with a  
15 stoichiometric amount of the appropriate base or acid in  
water or in an organic solvent, or in a mixture of the two;  
generally, nonaqueous media like ether, ethyl acetate,  
ethanol, isopropanol, or acetonitrile are preferred. Lists  
of suitable salts are found in Remington's Pharmaceutical  
20 Sciences, 18th ed., Mack Publishing Company, Easton, PA,  
1990, p. 1445, the disclosure of which is hereby  
incorporated by reference.

The phrase "pharmaceutically acceptable" is employed  
herein to refer to those compounds, materials, compositions,  
25 and/or dosage forms which are, within the scope of sound  
medical judgment, suitable for use in contact with the  
tissues of human beings and animals without excessive  
toxicity, irritation, allergic response, or other problem or  
complication commensurate with a reasonable benefit/risk  
30 ratio.

"Prodrugs", as the term is used herein, are  
intended to include any covalently bonded carriers which  
release an active parent drug of the present invention in  
vivo when such prodrug is administered to a mammalian  
35 subject. Since prodrugs are known to enhance numerous  
desirable qualities of pharmaceuticals (i.e., solubility,

5 bioavailability, manufacturing, etc.) the compounds of the present invention may be delivered in prodrug form. Thus, the present invention is intended to cover prodrugs of the presently claimed compounds, methods of delivering the same, and compositions containing the same. Prodrugs of the  
10 present invention are prepared by modifying functional groups present in the compound in such a way that the modifications are cleaved, either in routine manipulation or in vivo, to the parent compound. Prodrugs include compounds of the present invention wherein a hydroxy, amino, or  
15 sulfhydryl group is bonded to any group that, when the prodrug of the present invention is administered to a mammalian subject, it cleaves to form a free hydroxyl, free amino, or free sulfhydryl group, respectively. Examples of prodrugs include, but are not limited to, acetate, formate, and benzoate derivatives of alcohol and amine functional  
20 groups in the compounds of the present invention.

"Substituted" is intended to indicate that one or more hydrogens on the atom indicated in the expression using "substituted" is replaced with a selection from the  
25 indicated group(s), provided that the indicated atom's normal valency is not exceeded, and that the substitution results in a stable compound. When a substituent is keto (i.e., =O) group, then 2 hydrogens on the atom are replaced.

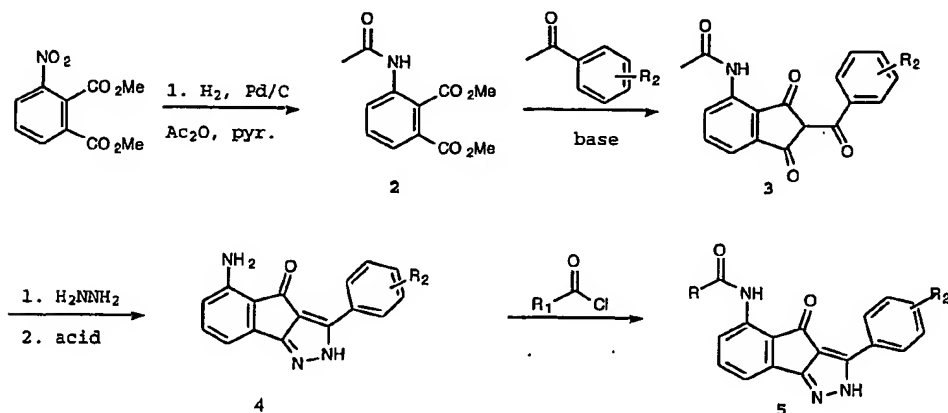
As used herein, the term "anti cancer" or "anti-  
30 proliferative" agent includes, but is not limited to, altretamine, busulfan, chlorambucil, cyclophosphamide, ifosfamide, mechlorethamine, melphalan, thiotepa, cladribine, fluorouracil, floxuridine, gemcitabine, thioguanine, pentostatin, methotrexate, 6-mercaptopurine, cytarabine, carmustine, lomustine, streptozotocin,  
35 carboplatin, cisplatin, oxaliplatin, iproplatin,

- 5 tetraplatin, lobaplatin, JM216, JM335, fludarabine,  
aminoglutethimide, flutamide, goserelin, leuprolide,  
megestrol acetate, cyproterone acetate, tamoxifen,  
anastrozole, bicalutamide, dexamethasone,  
diethylstilbestrol, prednisone, bleomycin, dactinomycin,  
10 daunorubicin, doxorubicin, idarubicin, mitoxantrone,  
losoxantrone, mitomycin-c, plicamycin, paclitaxel,  
docetaxel, topotecan, irinotecan, 9-amino camptothecan, 9-  
nitro camptothecan, GS-211, etoposide, teniposide,  
vinblastine, vincristine, vinorelbine, procarbazine,  
15 asparaginase, pegaspargase, octreotide, estramustine,  
hydroxyurea.

## SYNTHESIS

- The compounds of the present invention can be  
20 synthesized using the methods described below, together with  
synthetic methods known in the art of synthetic organic  
chemistry, or variations thereon as appreciated by those  
skilled in the art. Preferred methods include, but are not  
limited to, those methods described below. Each of the  
25 references cited below are hereby incorporated herein by  
reference.

SCHEME 1

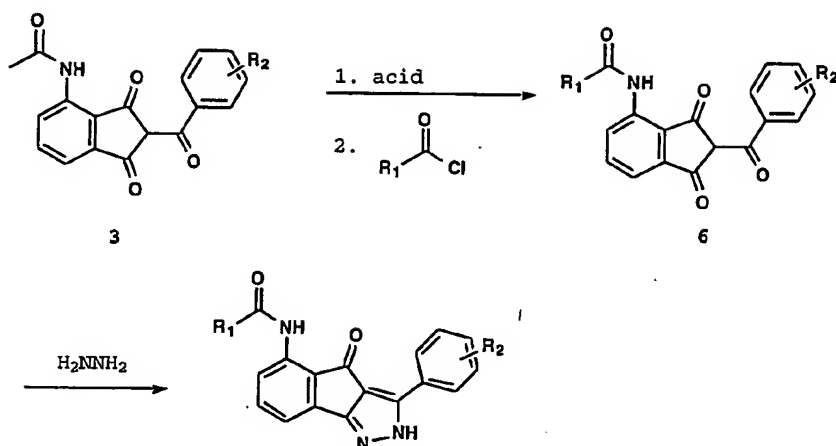




5

An approach to preparing indeno[1,2-c]pyrazol-4-ones is presented in Scheme 1 and can be used to prepare compounds of the present invention. The nitro group of dimethyl 3-nitrophthalate was reduced to the amine using catalytic hydrogenation. The aniline was acylated using acetic anhydride and pyridine as a base. A mixture of the resulting acetamide 2 and an acetophenone were treated with a strong base in an appropriate solvent at elevated temperature to give the desired triketone 3. Additional means of preparing triketones are known to one skilled in the art as described in Kilgore et al, Industrial and Engineering Chemistry 34:494-497, 1946, the contents of which are hereby incorporated herein by reference. The triketone was treated with hydrazine at elevated temperature in an appropriate solvent to give the indeno[1,2-c]pyrazol-4-one ring system. Additional means of preparing indeno[1,2-c]pyrazol-4-ones are known to one skilled in the art as described in Lemke et al., J. Heterocyclic Chem. 19:1335-1340, 1982; Mosher and Soeder, J. Heterocyclic Chem. 8:855-59, 1971; Hrnčiar and Svanygova Collect. Czech. Chem. Commun. 59:2734-40, 1994 the contents of which are hereby incorporated herein by reference. The amide was deacylated by heating with a strong acid in an appropriate solvent to give aniline 4. This aniline was acylated under standard conditions using an acid chloride in an appropriate solvent to give the desired product 5.

SCHEME 2

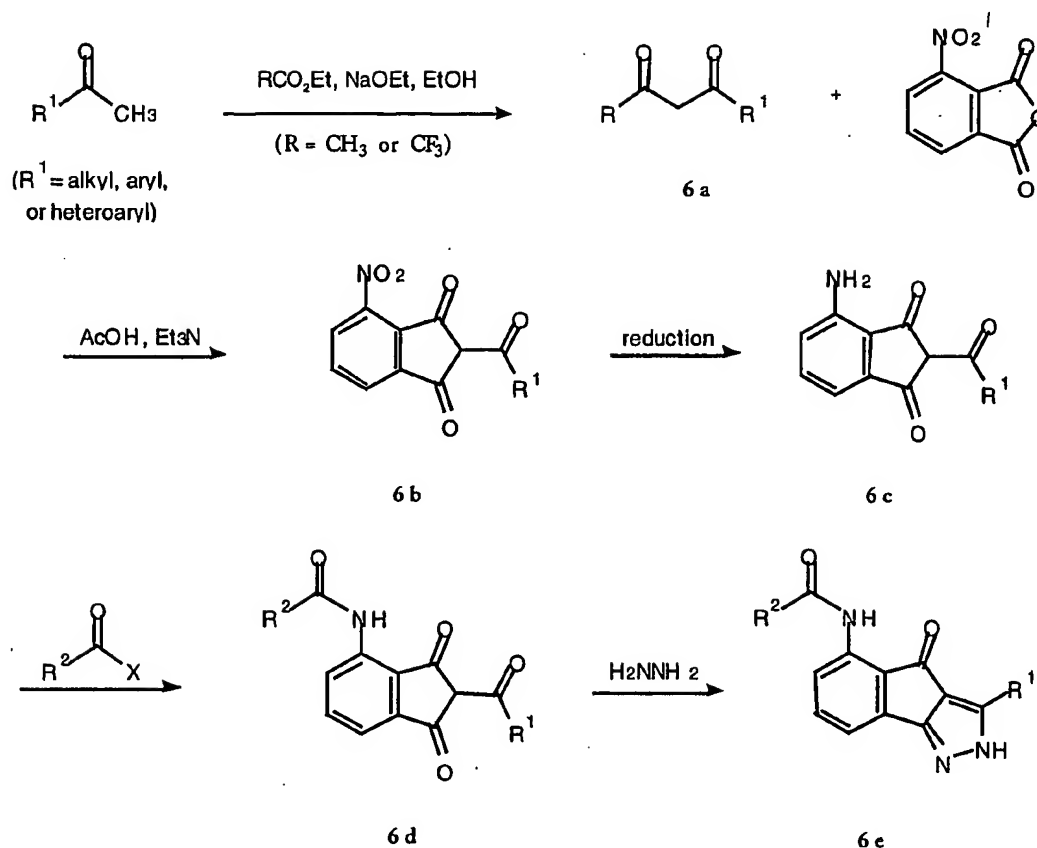


5

An alternative method for making compounds of the present invention is shown in Scheme 2. The intermediate triketone 3 can be deacylated with strong acid and  
10 reacylated with an appropriate acid chloride using methods known to those skilled in the art. Subsequently, triketone 6 can be converted to the indeno[1,2-c]pyrazol-4-one ring system using the same conditions described previously in Scheme 1.

15

SCHEME 3



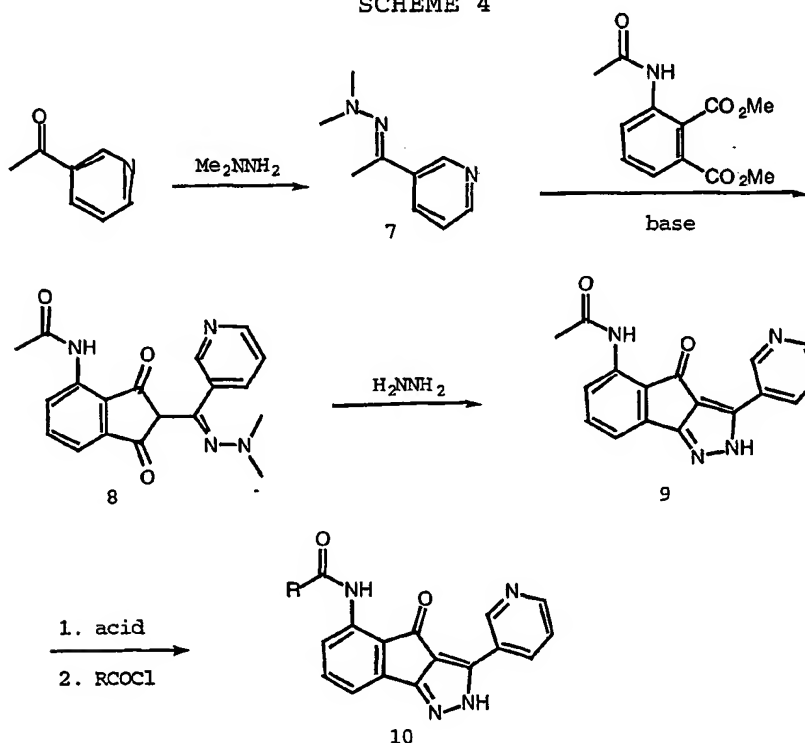
5

Another method for preparing the triketones 6 of Scheme 2 employs the condensation of a 1,3-diketone 6a with 3-nitrophthalic anhydride as described in Rotberg and Oshkaya, Zh. Organ. Khim. 8:84-87, 1972; Zh. Organ. Khim. 9:2548-2550, 1973, the contents of which are hereby incorporated herein by reference. The 1,3-diketones, when not commercially available can be readily prepared by one skilled in the art by the acetylation or

trifluoroacetylation of the requisite methyl ketone, R<sup>1</sup>COCH<sub>3</sub>. Reduction of the nitro derivative 6b to the aniline 6c can be accomplished in a variety of ways including catalytic hydrogenation, treatment with zinc or iron under acidic conditions, or treatment with other reducing agents such as

5 sodium dithionite or stannous chloride. Subsequently the aniline 6c can be converted to the indeno[1,2-c]pyrazol-4-ones of this invention by acylation followed by treatment with hydrazine as described previously in Scheme 2.

SCHEME 4

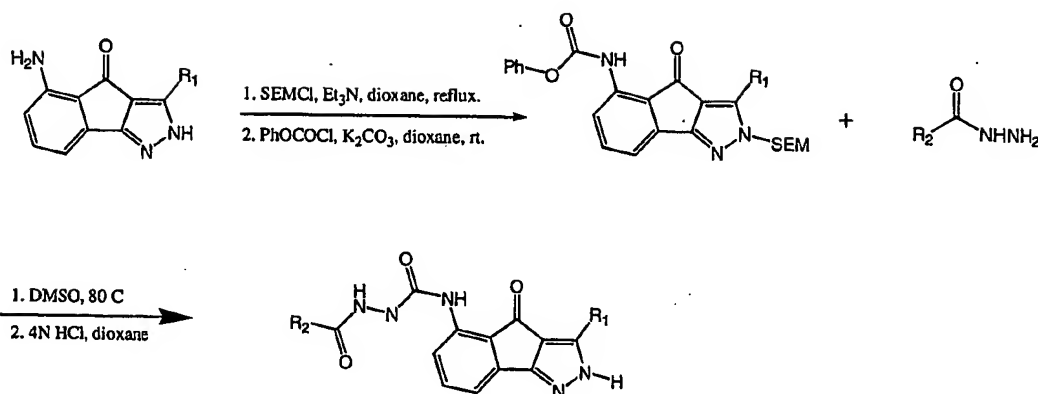


10

Another method for making the indeno[1,2-c]pyrazol-4-one ring system is shown in Scheme 4. Dimethyl hydrazine was reacted with 3-acetylpyridine with no solvent to give the  
 15 hydrazone 7. This was treated in a similar fashion as described in Scheme 1 to give the desired intermediate 8. Additional means of preparing similar intermediates are known to one skilled in the art as described in Rappoport, J. Org. Chem. 49:2948-2953, 1984, the contents of which are  
 20 hereby incorporated herein by reference. This intermediate was carried through the sequence in a similar fashion as described in Scheme 1.

5

SCHEME 5



Another approach to preparing indeno[1,2-c]pyrazol-4-ones is presented in Scheme 5 and can be used to prepare compounds of the present invention. Treating the intermediate 5-aminoindeno[1,2-c]pyrazol-4-one with 2-(trimethylsilyl) ethoxymethylmethyl chloride (SEMCl) and a suitable base in an inert solvent under reflux gives the SEM protected intermediate. The aniline is converted to the carbamate with phenylchloroformate using methods known to those skilled in the art. This intermediate is reacted with carbaztes in DMSO at elevated temperatures and then the SEM group is removed by treating with acid in a polar protic solvent to give the desired acylsemicarbazide-containing indenopyrazole analogs.

Other features of the invention will become apparent during the following descriptions of exemplary embodiments which are given for illustration of the invention and are not intended to be limiting thereof.

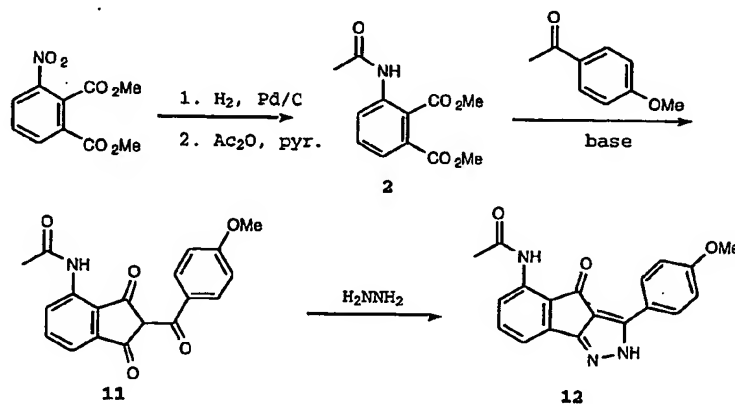
### Examples

Abbreviations used in the Examples are defined as follows: "°C" for degrees Celsius, "CIMS" for chemical

5 ionization mass spectroscopy, "eq" for equivalent or equivalents, "g" for gram or grams, "h" for hour or hours, "mg" for milligram or milligrams, "mL" for milliliter or milliliters, "mmol" for millimolar, "M" for molar, "min" for minute or minutes, "p-TsOH" for para-toluenesulphonic acid,  
 10 "DMF" for dimethylformamide, and "TFA" for trifluoroacetic acid.

### Example I

Preparation of 3-(4-methoxyphenyl)-5-(acetamido)indeno[1,2-  
 15 c]pyrazol-4-one



Step 1. Synthesis of 2 from dimethyl 3-nitrophthalate.

A solution of dimethyl 3-nitrophthalate (25 g, 105  
 20 mmol) in methanol (100 mL) was treated with 5% Pd/C (2.5 g) and hydrogenated on a Parr Shaker at 50 psi for 2 h. The solution was filtered (Celite), the filtrate collected and the solvent removed at reduced pressure. The residue was dissolved in acetic anhydride (20 mL) treated with pyridine  
 25 (0.05mL) and heated to 80 °C for 1 min. The reaction was cooled and stirred at 25°C for 2 h. The solvent was removed at reduced pressure and the residue recrystallized from ethanol to give the product as a white solid (21 g, 79%). mp 104-105 °C; CIMS m/e calc'd for C<sub>12</sub>H<sub>14</sub>NO<sub>5</sub>: 252.0872, found

5 252.0888; Analysis calc'd for  $C_{12}H_{13}NO_5$ : C, 57.37; H, 5.22; N, 5.58; found: C, 57.67; H, 5.29; N, 5.77.

Step 2. Synthesis of triketone 11 from 2.

A solution of 2 (1 g, 4.0 mmol) in dry DMF (2 mL) was  
10 treated with sodium hydride (0.15 g, 60% suspension in oil, 0.4 mmol) in one portion. After 1 h, 4-methoxyacetophenone (0.6 g, 4.0 mmol) was added in one portion and the reaction heated to 90 °C. A second portion of sodium hydride (0.15 g, 60% suspension in oil, 0.4 mmol) was added and the  
15 exothermic reaction turns deep red. After 20 min, the reaction was cooled to 25 °C, diluted with water (20 mL), extracted with EtOAc (10 mL) and the aqueous phase separated. The aqueous phase was acidified with 2 N HCl to pH 2 and the crude product collected. Recrystallization with  
20 ethanol gave the desired product as a yellow solid (0.4 g, 30%). mp 174-175 °C; CIMS m/e calc'd for  $C_{19}H_{16}NO_5$ : 338.1028, found 338.1022; Analysis calc'd for  $C_{19}H_{15}NO_5$ : C, 67.65; H, 4.48; N, 4.15; found: C, 67.87; H, 4.29; N, 3.99.

25 Step 3. Synthesis of 12 from 11.

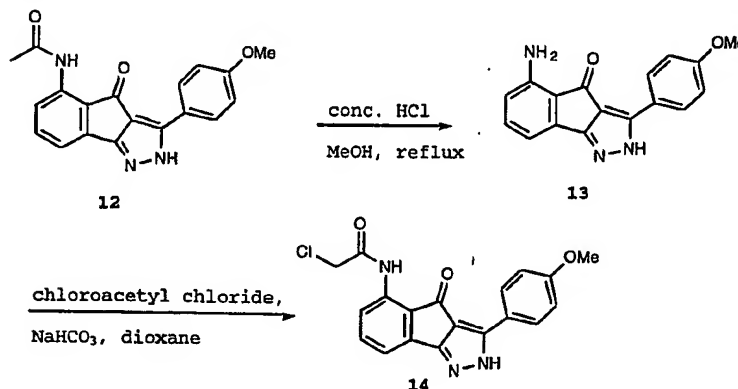
A solution of 11 (0.2 g, 0.6 mmol) in EtOH (5 mL) was treated with hydrazine hydrate (0.1 mL, 1.8 mmol) and p-TsOH (3 mg). The reaction was heated to reflux and stirred for 2 h. The reaction was cooled to 25 °C and the product  
30 collected as a yellow solid (0.1 g, 50%). mp 268 °C; CIMS m/e calc'd for  $C_{19}H_{16}N_3O_3$ : 334.1192, found: 334.1168; Analysis calc'd for  $C_{19}H_{15}N_3O_3$ : C, 68.46; H, 4.54; N, 12.61; found: C, 68.81; H, 4.39; N, 12.45.

35

Example II

5

Preparation of 3-(4-methoxyphenyl)-5-(chloroacetamido)indeno[1,2-c]pyrazol-4-one



Step 1. Synthesis of 13 from 12.

- 10 A suspension of 12 (1.0 g, 3.0 mmol) in MeOH (10 mL) was treated with conc. HCl (1 mL) and heated to reflux. After 2 h, the reaction was cooled and the product was collected as a greenish solid (0.7 g, 81%). mp 273 °C; CIMS m/e calc'd for C<sub>17</sub>H<sub>14</sub>N<sub>3</sub>O<sub>2</sub>: 292.1086, found: 292.1080;
- 15 Analysis calc'd for C<sub>17</sub>H<sub>13</sub>N<sub>3</sub>O<sub>2</sub>: C, 69.85; H, 4.83; N, 14.37; found: C, 69.99; H, 4.59; N, 14.44.

Step 2. Synthesis of 14 from 13.

- 20 A suspension of 13 (20 mg, 0.07 mmol) in dioxane (2 mL) was treated with aqueous sat. NaHCO<sub>3</sub> (1 mL) and chloroacetyl chloride (30 mL, 0.21 mmol). The reaction was heated to 50 °C and stirred for 2 h. The reaction was cooled, poured into water (2 mL), extracted with EtOAc (10 mL), the organic layer separated, dried (MgSO<sub>4</sub>) and the solvent removed at
- 25 reduced pressure. The solid residue was recrystallized from EtOH to give the product as a yellow solid (9 mg, 35%). mp 274 °C; CIMS m/e calc'd for C<sub>19</sub>H<sub>15</sub>N<sub>3</sub>O<sub>3</sub>Cl: 368.0802, found: 368.0818.



5

## Example III

Preparation of 3-(4-methoxyphenyl)-5-(cyclopropylamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example II using cyclopropylacetyl chloride as the starting material. mp 289 °C; CIMS m/e calc'd for C<sub>21</sub>H<sub>18</sub>N<sub>3</sub>O<sub>3</sub>: 360.1348, found: 360.1330.

## Example IV

Preparation of 3-(4-methoxyphenyl)-5-(isopropylamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example II using isopropylacetyl chloride as the starting material. mp 288 °C; CIMS m/e calc'd for C<sub>21</sub>H<sub>20</sub>N<sub>3</sub>O<sub>3</sub>: 362.1505, found: 362.1535.

20

## Example V

Preparation of 3-(4-methoxyphenyl)-5-(ethylamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example II using propionyl chloride as the starting material. mp 287 °C; CIMS m/e calc'd for C<sub>20</sub>H<sub>18</sub>N<sub>3</sub>O<sub>3</sub>: 348.1348, found: 348.1313.

## Example VI

Preparation of 3-(4-methoxyphenyl)-5-(cyclopentylamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example II using cyclopentylacetyl chloride as the starting material. mp 267 °C; CIMS m/e calc'd for C<sub>23</sub>H<sub>22</sub>N<sub>3</sub>O<sub>3</sub>: 388.1661, found: 388.1626.

35

5

## Example VII

Preparation of 3-(4-methoxyphenyl)-5-(cyclobutylamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example II using cyclobutylacetyl chloride as the starting material. mp 297 °C; CIMS m/e calc'd for C<sub>22</sub>H<sub>20</sub>N<sub>3</sub>O<sub>3</sub>: 374.1505, found: 374.1530.

## Example VIII

Preparation of 3-(4-methoxyphenyl)-5-(phenylacetamido)indeno[1,2-c]pyrazol-4-one

15

Prepared in a similar fashion as described for example II using phenylacetyl chloride as the starting material. mp 280 °C; CIMS m/e calc'd for C<sub>25</sub>H<sub>20</sub>N<sub>3</sub>O<sub>3</sub>: 410.1505, found: 410.1533.

20

## Example IX

Preparation of 3-(4-methoxyphenyl)-5-(butylamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example II using butyryl chloride as the starting material. mp 282 °C; CIMS m/e calc'd for C<sub>21</sub>H<sub>20</sub>N<sub>3</sub>O<sub>3</sub>: 362.1505, found: 362.1500.

## Example X

Preparation of 3-(4-methoxyphenyl)-5-((4-chlorophenyl)acetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example II using 4-chlorophenylacetyl chloride as the starting material. mp 238 °C; CIMS m/e calc'd for C<sub>25</sub>H<sub>19</sub>N<sub>3</sub>O<sub>3</sub>Cl: 444.1115, found: 444.1110.

35

5

## Example XI

Preparation of 3-(4-methoxyphenyl)-5-((3-methoxyphenyl)acetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example II using 3-methoxyphenylacetyl chloride as the starting material. mp >300 °C; CIMS m/e calc'd for C<sub>26</sub>H<sub>22</sub>N<sub>3</sub>O<sub>4</sub>: 440.1610, found: 440.1620.

## Example XII

Preparation of 3-(4-methoxyphenyl)-5-((4-methoxyphenyl)acetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example II using 4-methoxyphenylacetyl chloride as the starting material. mp 280 °C; CIMS m/e calc'd for C<sub>26</sub>H<sub>22</sub>N<sub>3</sub>O<sub>4</sub>: 440.1610, found: 440.1630.

20

## Example XIII

Preparation of 3-(4-methoxyphenyl)-5-((3,4-dimethoxyphenyl)acetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example II using 3,4-dimethoxyphenylacetyl chloride as the starting material. mp >300 °C; CIMS m/e calc'd for C<sub>27</sub>H<sub>24</sub>N<sub>3</sub>O<sub>5</sub>: 470.1716, found: 470.1731.

## Example XIV

Preparation of 3-(4-methoxyphenyl)-5-((2,5-dimethoxyphenyl)acetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example II using 2,5-dimethoxyphenylacetyl chloride as the starting material. mp 226 °C; CIMS m/e calc'd for C<sub>27</sub>H<sub>24</sub>N<sub>3</sub>O<sub>5</sub>: 470.1716, found: 470.1739.

35

5

## Example XV

Preparation of 3-(2-methoxyphenyl)-5-(acetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example I using 2-methoxyacetophenone as the starting material. mp 276 °C; CIMS m/e calc'd for C<sub>19</sub>H<sub>16</sub>N<sub>3</sub>O<sub>3</sub>: 334.1192, found: 334.1169.

## Example XVI

Preparation of 3-(3,4-dimethoxyphenyl)-5-(acetamido)indeno[1,2-c]pyrazol-4-one

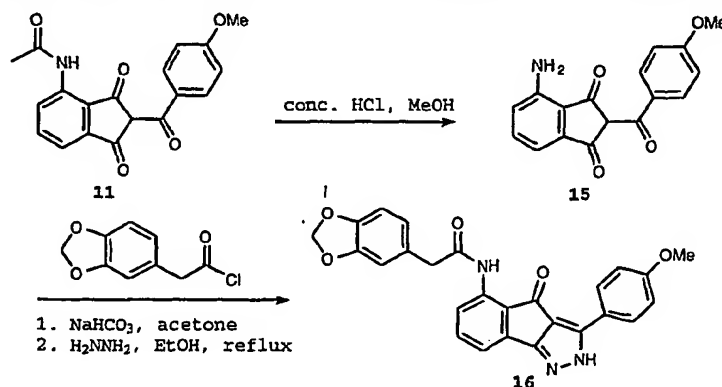
15

Prepared in a similar fashion as described for example I using 3,4-dimethoxyacetophenone as the starting material. mp >300 °C; CIMS m/e calc'd for C<sub>20</sub>H<sub>18</sub>N<sub>3</sub>O<sub>4</sub>: 364.1297, found: 364.1288.

20

## Example XVII

Preparation of 3-(4-methoxyphenyl)-5-((3,4-ethylenedioxyphenyl)acetamido)indeno[1,2-c]pyrazol-4-one



25

Step 1. Synthesis of 15 from 11.

A suspension of 11 (5 g, 14.8 mmol) in MeOH (50 mL) was treated with conc. HCl (3 mL) and heated to reflux. After stirring for 2 h, the reaction was cooled to 0 °C and the

5 product collected as a yellow solid (4.2 g, 96%). mp 173 °C;  
CIMS m/e calc'd for C<sub>17</sub>H<sub>14</sub>NO<sub>4</sub>: 296.0923, Found: 296.0901.

Step 2. Synthesis of 16 from 15.

A suspension of 15 (20 mg, 0.07 mmol) in acetone (2 mL)  
10 was treated with NaHCO<sub>3</sub> (10 mg) and the acid chloride of  
(3,4-methylenedioxyphenyl)acetic acid (prepared by heating  
the acid in a benzene:thionyl chloride 4:1 mixture at 50 °C  
for 2 h, removing the volatile components at reduced  
pressure, and using the crude acid chloride without further  
15 purification). The reaction was heated to 50 °C and stirred  
for 2 h. The reaction was cooled, poured into water (4 mL),  
extracted with EtOAc (10 mL), dried (MgSO<sub>4</sub>), filtered and  
concentrated. The crude triketone was suspended in EtOH (2  
mL), treated with hydrazine hydrate (0.05 mL) and p-TsOH (1  
20 mg) and heated to reflux for 2 h. The reaction was cooled to  
0 °C and the product filtered to give a yellow solid (6.5  
mg, 20%). mp 297 °C; CIMS m/e calc'd for C<sub>26</sub>H<sub>20</sub>N<sub>3</sub>O<sub>5</sub>:  
454.1403, Found: 454.1398.

25

#### Example XVIII

Preparation of 3-(4-dimethoxyphenyl)-5-((3-  
thiophene)acetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
XVII using the acid chloride of 3-thiopheneacetic acid as  
30 the starting material. mp 293 °C; CIMS m/e calc'd for  
C<sub>23</sub>H<sub>18</sub>N<sub>3</sub>O<sub>3</sub>S: 416.1069, found: 416.1088.

#### Example XIX

Preparation of 3-(4-methoxyphenyl)-5-((2-  
35 methoxyphenyl)acetamido)indeno[1,2-c]pyrazol-4-one

5        Prepared in a similar fashion as described for example  
XVII using the acid chloride of 2-methoxyphenylacetic acid  
as the starting material. mp 255 °C; CIMS m/e calc'd for  
C<sub>26</sub>H<sub>22</sub>N<sub>3</sub>O<sub>4</sub>: 440.1610, found: 440.1622.

10

## Example XX

Preparation of 3-(4-methoxyphenyl)-5-((3,4-  
dichlorophenyl)acetamido)indeno[1,2-c]pyrazol-4-one  
Prepared in a similar fashion as described for example  
XVII using the acid chloride of 3,4-dichlorophenylacetic  
15 acid as the starting material. mp 299 °C; CIMS m/e calc'd  
for C<sub>25</sub>H<sub>18</sub>N<sub>3</sub>O<sub>3</sub>Cl<sub>2</sub>: 478.0725, found: 478.0744.

## Example XXI

Preparation of 3-(4-methoxyphenyl)-5-((2,4-  
20 dichlorophenyl)acetamido)indeno[1,2-c]pyrazol-4-one  
Prepared in a similar fashion as described for example  
XVII using the acid chloride of 2,4-dichlorophenylacetic  
acid as the starting material. mp 286 °C; CIMS m/e calc'd  
for C<sub>25</sub>H<sub>18</sub>N<sub>3</sub>O<sub>3</sub>Cl<sub>2</sub>: 478.0725, found: 478.0734.

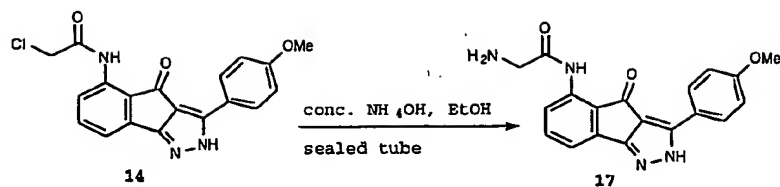
25

## Example XXII

Preparation of 3-(4-methoxyphenyl)-5-((2-  
chlorophenyl)acetamido)indeno[1,2-c]pyrazol-4-one  
Prepared in a similar fashion as described for example  
30 XVII using the acid chloride of 2-chlorophenylacetic acid as  
the starting material. mp 300 °C; CIMS m/e calc'd for  
C<sub>25</sub>H<sub>19</sub>N<sub>3</sub>O<sub>3</sub>Cl: 444.1115, found: 444.1111.

## Example XXIII

35        Preparation of 3-(4-methoxyphenyl)-5-  
(aminoacetamido)indeno[1,2-c]pyrazol-4-one



5

A suspension of 14 (15 mg, 0.04 mmol) in EtOH (1 mL) was treated with conc.  $\text{NH}_4\text{OH}$  (1 mL), placed in a sealed tube and heated to 80 °C for 3 h. The reaction was cooled and the solvent removed at reduced pressure. The residue was recrystallized from EtOH to give the product as a yellow solid (9 mg, 62%). mp >300 °C; CIMS m/e calc'd for  $\text{C}_{20}\text{H}_{19}\text{N}_4\text{O}_3$ : 363.1457, Found: 363.1431.

10

15

## Example XXIV.

Preparation of 3-(4-methoxyphenyl)-5-((2-hydroxyethyl)aminoacetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example XXIII using hydroxylamine as the starting material. mp 243 °C; CIMS m/e calc'd for  $\text{C}_{21}\text{H}_{21}\text{N}_4\text{O}_4$ : 393.1563, found: 393.1539.

20

## Example XXV

Preparation of 3-(4-methoxyphenyl)-5-(N,N-dimethylaminoacetamido)indeno[1,2-c]pyrazol-4-one

25

Prepared in a similar fashion as described for example XXIII using dimethylamine as the starting material. mp 279 °C; CIMS m/e calc'd for  $\text{C}_{21}\text{H}_{21}\text{N}_4\text{O}_3$ : 377.1614, found: 377.1640.

30

## Example XXVI

Preparation of 3-(4-methoxyphenyl)-5-(piperazinylacetamido)indeno[1,2-c]pyrazol-4-one

5        Prepared in a similar fashion as described for example  
XXIII using piperazine as the starting material. mp 277 °C;  
CIMS m/e calc'd for C<sub>23</sub>H<sub>24</sub>N<sub>5</sub>O<sub>3</sub>: 418.1879, found: 418.1899.

#### Example XXVII

10        Preparation of 3-(4-methoxyphenyl)-5-(4-  
methylpiperazinylacetamido)indeno[1,2-c]pyrazol-4-one  
Prepared in a similar fashion as described for example  
XXIII using 4-methylpiperizine as the starting material. mp  
>300 °C; CIMS m/e calc'd for C<sub>24</sub>H<sub>26</sub>N<sub>5</sub>O<sub>3</sub>: 432.2036, found:  
15    432.2030.

#### Example XXVIII

Preparation of 3-(4-methoxyphenyl)-5-(4-(2-  
hydroxyethyl)piperazinylacetamido)indeno[1,2-c]pyrazol-4-one  
20        Prepared in a similar fashion as described for example  
XXIII using 4-hydroxyethylpiperizine as the starting  
material. mp >300 °C; CIMS m/e calc'd for C<sub>25</sub>H<sub>28</sub>N<sub>5</sub>O<sub>4</sub>:  
462.2141, found: 462.2128.

#### 25        Example XXIX

Preparation of 3-(4-methoxyphenyl)-5-  
(piperidinylacetamido)indeno[1,2-c]pyrazol-4-one  
Prepared in a similar fashion as described for example  
XXIII using piperidine as the starting material. mp 291 °C;  
30    CIMS m/e calc'd for C<sub>24</sub>H<sub>25</sub>N<sub>4</sub>O<sub>3</sub>: 417.1927, found: 417.1955.

#### Example XXX

Preparation of 3-(4-methoxyphenyl)-5-(4-  
aminomethylpiperidinylacetamido)indeno[1,2-c]pyrazol-4-one  
35        Prepared in a similar fashion as described for example  
XXIII using 4-aminomethylpiperidine as the starting



5 material. mp >300 °C; CIMS m/e calc'd for C<sub>25</sub>H<sub>28</sub>N<sub>5</sub>O<sub>3</sub>:  
446.2192, found: 446.2166.

#### Example XXXI

Preparation of 3-(4-methoxyphenyl)-5-  
10 (ethylaminoacetamido)indeno[1,2-c]pyrazol-4-one  
Prepared in a similar fashion as described for example  
XXIII using ethylamine as the starting material. mp 250 °C;  
CIMS m/e calc'd for C<sub>21</sub>H<sub>21</sub>N<sub>4</sub>O<sub>3</sub>: 377.1614, found: 377.1644.

#### 15 Example XXXII

Preparation of 3-(4-methoxyphenyl)-5-  
(thiomorpholinylacetamido)indeno[1,2-c]pyrazol-4-one  
Prepared in a similar fashion as described for example  
XXIII using thiomorpholine as the starting material. mp 298  
20 °C; CIMS m/e calc'd for C<sub>23</sub>H<sub>23</sub>N<sub>4</sub>O<sub>3</sub>S: 435.1491, found:  
435.1477.

#### Example XXXIII

Preparation of 3-(4-methoxyphenyl)-5-  
25 (morpholinylacetamido)indeno[1,2-c]pyrazol-4-one  
Prepared in a similar fashion as described for example  
XXIII using morpholine as the starting material. mp 295 °C;  
CIMS m/e calc'd for C<sub>23</sub>H<sub>23</sub>N<sub>4</sub>O<sub>4</sub>: 419.1719, found: 419.1744.

#### 30 Example XXXIV

Preparation of 3-(4-methoxyphenyl)-5-  
(pyrrolidinylacetamido)indeno[1,2-c]pyrazol-4-one  
Prepared in a similar fashion as described for example  
XXIII using pyrrolidine as the starting material. mp 279 °C;  
35 CIMS m/e calc'd for C<sub>23</sub>H<sub>23</sub>N<sub>4</sub>O<sub>3</sub>: 403.1770, found: 403.1761.

5

## Example XXXV

Preparation of 3-(4-methoxyphenyl)-5-(4-pyridinylaminomethylacetamido)indeno[1,2-c]pyrazol-4-one

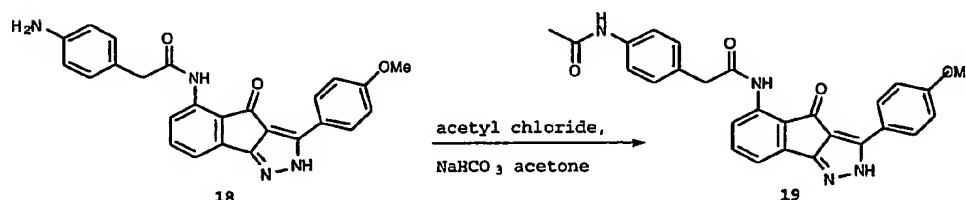
Prepared in a similar fashion as described for example XXIII using 4-aminomethylpyridine as the starting material.

10 mp >300 °C; CIMS m/e calc'd for C<sub>25</sub>H<sub>22</sub>N<sub>5</sub>O<sub>3</sub>: 440.1723, found: 440.1762.

## Example XXXVI

Preparation of 3-(4-methoxyphenyl)-5-((4-acetamidophenyl)acetamido)indeno[1,2-c]pyrazol-4-one

15



A suspension of 18 (10 mg, 0.02 mmol) in dioxane (1 mL) was treated with aqueous sat. NaHCO<sub>3</sub> (0.5 mL) and acetyl chloride (0.01 mL) and heated at 50 °C for 1 h. The reaction was cooled, poured into water (5 mL), extracted with EtOAc (10 mL), the organic layer separated, dried (MgSO<sub>4</sub>) and the solvent removed at reduced pressure. The residue was recrystallized from EtOH to give the product as a yellow solid (5.6 mg, 61%). mp 268 °C; CIMS m/e calc'd for C<sub>27</sub>H<sub>23</sub>N<sub>4</sub>O<sub>4</sub>: 467.1719, Found: 467.1730.

30

## Example XXXVII

Preparation of 3-(4-methoxyphenyl)-5-((4-methoxycarbonylaminophenyl)acetamido)indeno[1,2-c]pyrazol-4-one

5       Prepared in a similar fashion as described for example  
XXXII using methylchloroformate as the starting material. mp  
257 °C; CIMS m/e calc'd for C<sub>27</sub>H<sub>23</sub>N<sub>4</sub>O<sub>5</sub>: 483.1668, found:  
483.1633.

10                               Example XXXVIII

Preparation of 3-(4-methoxyphenyl)-5-((4-  
aminomethylcarbonylaminophenyl)acetamido)  
indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
15   XXIII and XXXII using chloroacetyl chloride and conc. NH<sub>4</sub>OH  
as the starting materias. mp 228 °C; CIMS m/e calc'd for  
C<sub>27</sub>H<sub>24</sub>N<sub>5</sub>O<sub>4</sub>: 482.1828, found: 482.1844.

Example XXXIX

20       Preparation of 3-(4-methoxyphenyl)-5-((4-N,N-  
dimethylaminomethylcarbonylaminophenyl)acetamido)  
indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
XXIII and XXXII using chloroacetyl chloride and dimethyl  
25   amine as the starting materias. mp >300 °C; CIMS m/e calc'd  
for C<sub>29</sub>H<sub>28</sub>N<sub>5</sub>O<sub>4</sub>: 510.2141, found: 510.2121.

Example XL

Preparation of 3-(4-methoxyphenyl)-5-((4-  
30   azidophenyl)acetamido)indeno[1,2-c]pyrazol-4-one

A solution of example XXXVI (20 mg, 0.04 mmol) in DMF  
(2 mL) was treated with 5% palladium on carbon (5 mg) and  
hydrogentaed at atmospheric pressure using a hydrogen  
balloon. After 2 h, the solution was filtered (Celite), and  
35   the solvent removed at reduced pressure. The residue was  
recrystallized from EtOH to give the product as a yellow

- 5 solid (15 mg, 78%). mp >300 °C; CIMS m/e calc'd for  
C<sub>25</sub>H<sub>19</sub>N<sub>6</sub>O<sub>3</sub>: 451.1519, found: 451.1544.

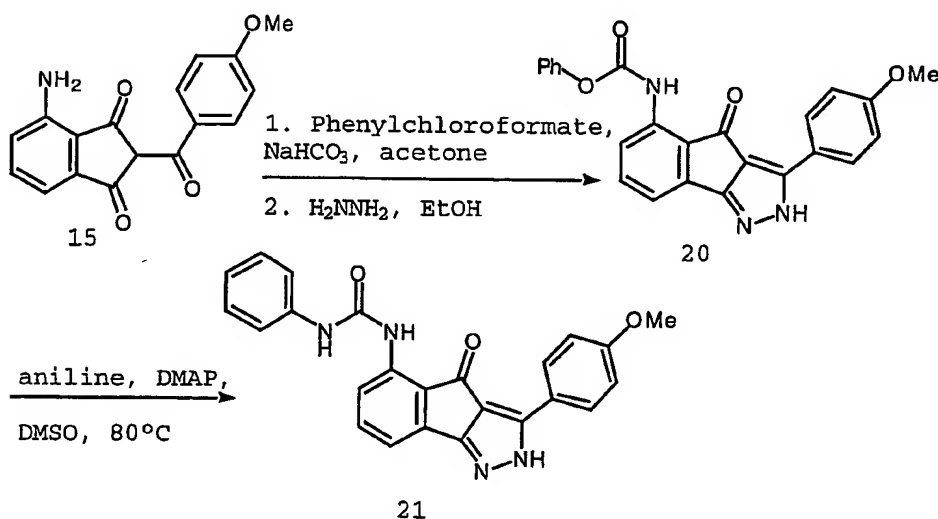
#### Example XLI

Preparation of 3-(4-methoxyphenyl)-5-((4-aminophenyl)acetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example XXVII using the acid chloride of 4-azidophenylacetic acid as the starting material. mp 283°C; CIMS m/e calc'd for C<sub>25</sub>H<sub>21</sub>N<sub>4</sub>O<sub>3</sub>: 425.1614, found: 425.1643.

#### Example XLII

Preparation of 3-(4-methoxyphenyl)-5-(phenylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one



Step 1. Synthesis of 20 from 15.

- A suspension of 15 (0.5 g, 1.7 mmol) in acetone (10 mL)  
25 was treated with NaHCO<sub>3</sub> (0.5 g) and phenyl chloroformate.  
The mixture was heated to 50 °C for 2 h. The reaction was

5 cooled, poured into water (20 mL), extracted with EtOAc (40 mL), the organic layer separated, dried (MgSO<sub>4</sub>) and the solvent removed at reduced pressure. The residue was suspended in EtOH (10 mL) and treated with hydrazine hydrate (0.16 mL, 5.1 mmol) and p-TsOH (10 mg). The mixture was  
10 heated to reflux and stirred for 3 h. The reaction was cooled to 0 °C and the product collected as a yellow solid (0.25 g, 36%). mp 195 °C; CIMS m/e calc'd for C<sub>24</sub>H<sub>18</sub>N<sub>3</sub>O<sub>4</sub>: 412.1297, Found: 412.1308.

15 Step 2. Synthesis of 21 from 20.

A solution of 20 (20 mg, 0.05 mmol) in DMSO (2 mL) was , treated with aniline (20 mL, mmol) and dimethylaminopyridine (1 mg). The mixture was heated to 80 °C for 2 h. The reaction was cooled, poured into water (4 mL), extracted  
20 with EtOAc (15 mL), the organic layer separated, dried (MgSO<sub>4</sub>) and the solvent removed at reduced pressure. The residue was recrystallized from EtOH to give the product as a yellow solid (9 mg, 44%). mp >300 °C; CIMS m/e calc'd for C<sub>24</sub>H<sub>19</sub>N<sub>4</sub>O<sub>3</sub>: 411.1457, Found: 411.1432.

25

#### Example XLIII

##### Preparation of 3-(4-methoxyphenyl)-5-

##### (butylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
30 XLII using butyl amine as the starting material. mp 252 °C; CIMS m/e calc'd for C<sub>21</sub>H<sub>21</sub>N<sub>4</sub>O<sub>3</sub>: 377.1614, found: 377.1633.

#### Example XLIV

##### Preparation of 3-(4-methoxyphenyl)-5-(4-

35 aminobenzylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one

5 Prepared in a similar fashion as described for example XLIII using 4-aminobenzyl amine as the starting material, mp >300 °C; CIMS m/e calc'd for C<sub>25</sub>H<sub>22</sub>N<sub>5</sub>O<sub>3</sub>: 440.1723, found: 440.1700.

10

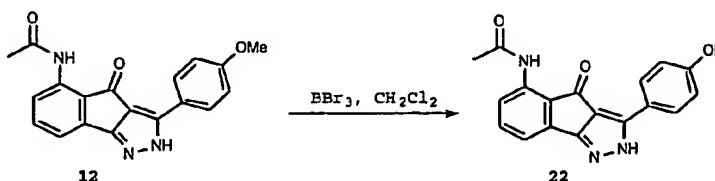
## Example XLV

Preparation of 3-(4-methoxyphenyl)-5-(4-pyridylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example XLIII using 4-aminomethylpyridine as the starting material.  
15 mp >300 °C; CIMS m/e calc'd for C<sub>24</sub>H<sub>20</sub>N<sub>5</sub>O<sub>3</sub>: 426.1566, found: 426.1533.

## Example XLVI

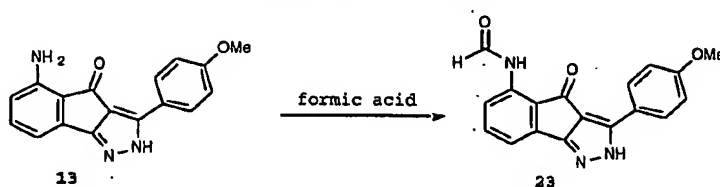
Preparation of 3-(4-hydroxyphenyl)-5-(acetamido)indeno[1,2-c]pyrazol-4-one  
20



A suspension of 12 (20 mg, 0.07 mmol) in CH<sub>2</sub>Cl<sub>2</sub> (2 mL) was treated with excess BBr<sub>3</sub> (1.0 mL, 1.0 M in CH<sub>2</sub>Cl<sub>2</sub>) and stirred for 20 h. The reaction was slowly poured into aqueous sat. NaHCO<sub>3</sub> (5 mL), extracted with EtOAc (10 mL), dried (MgSO<sub>4</sub>) and concentrated. The residue was recrystallized from EtOH to give the desired product as a yellow solid (7.5 mg, 33%). mp >300 °C; CIMS m/e calc'd for  
30 C<sub>18</sub>H<sub>14</sub>N<sub>3</sub>O<sub>3</sub>: 320.1035, Found: 320.1050.

## Example XLVII

5 Preparation of 3-(4-methoxyphenyl)-5-(formamido)indeno[1,2-c]pyrazol-4-one

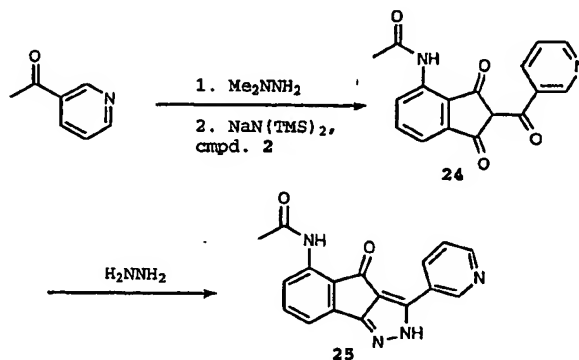


A suspension of 13 (20 mg, 0.06 mmol) in formic acid (2  
 10 mL) was heated to 100 °C for 2 h. The reaction mixture was cooled and the solvent removed at reduced pressure. The residue was recrystallized from EtOH to give the desired product as a yellow solid (12 mg, 63%). mp 280 °C; CIMS m/e calc'd for C<sub>18</sub>H<sub>14</sub>N<sub>3</sub>O<sub>3</sub>: 320.1035, Found: 320.1040.

15

Example XLVIII

Preparation of 3-(3-pyridyl)-5-(acetamido)indeno[1,2-c]pyrazol-4-one



20

Step 1. Synthesis of 24 from 3-acetylpyridine.

A solution of 3-acetylpyridine (1.0 g, 8.3 mmol) in benzene (3 mL) was treated with 1,1-dimethylhydrazine (0.62 mL, 8.3 mmol) and p-TsOH (5 mg). The mixture was heated to  
 25 85 °C and stirred for 3 h. The reaction was cooled and the solvent removed at reduced pressure. This crude hydrazone was treated with 1.0 M NaN(TMS)<sub>2</sub> in THF (16.6 mL, 16.6 mmol)

5 at 25 °C over 5 min. After 30 min, dimethyl 3-acetamidophthalate (2.1 g, 8.3 mmol) was added in one portion and the reaction heated to reflux. Stirring was continued for 6 h. The reaction was cooled and quenched by the slow addition of TFA. The solvent was removed at reduced  
10 pressure and the residue chromatographed (silica, 2.5-5 % MeOH/CH<sub>2</sub>Cl<sub>2</sub>) to give the product as a yellow solid (0.35 g, 14%). mp 265 °C; CIMS m/e calc'd for C<sub>17</sub>H<sub>13</sub>N<sub>2</sub>O<sub>4</sub>: 309.0875, Found: 309.0888.

15 Step 2. Synthesis of 25 from 24.

A suspension of 24 (30 mg, 0.09 mmol) in EtOH (2 mL) was treated with hydrazine hydrate (0.05 mL) and p-TsOH (1 mg) and heated to reflux. After stirring for 2 h. the reaction was cooled and the product filtered to give a  
20 yellow solid (12 mg, 44%). mp >300 °C; CIMS m/e calc'd for C<sub>17</sub>H<sub>13</sub>N<sub>4</sub>O<sub>2</sub>: 305.1039, Found: 305.1048.

#### Example XLIX

Preparation of 3-(4-pyridyl)-5-(acetamido)indeno  
25 [1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example XLVIII using 4-acetylpyridine as the starting material. mp >300 °C; CIMS m/e calc'd for C<sub>17</sub>H<sub>13</sub>N<sub>4</sub>O<sub>2</sub>: 305.1039, found: 305.1046.

30

#### Example L

Preparation of 3-(4-pyridyl)-5-(formamido)indeno  
[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
35 XLVII using 4-acetylpyridine as the starting material. mp



5 >300 °C; CIMS m/e calc'd for C<sub>16</sub>H<sub>11</sub>N<sub>4</sub>O<sub>2</sub>: 291.0882, found:  
291.0882.

#### Example LI

Preparation of 3-phenyl-5-(acetamido)indeno  
10 [1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
I using acetophenone as the starting material. mp >300 °C;  
CIMS m/e calc'd for C<sub>18</sub>H<sub>13</sub>N<sub>3</sub>O<sub>2</sub>: 304.1065, found: 304.1086.

#### 15 Example LII

Preparation of 3-(4-methylthiophenyl)-5-  
(acetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
I using 4'-methylthioacetophenone as the starting material.  
20 mp 283 °C; CIMS m/e calc'd for C<sub>19</sub>H<sub>15</sub>N<sub>3</sub>O<sub>2</sub>S: 350.0956, found:  
350.0963.

#### Example LIII

Preparation of 3-(4-methylsulphonylphenyl)-5-  
25 (acetamido)indeno[1,2-c]pyrazol-4-one

Prepared by oxidation of the product of example LII.  
mp >300 °C; CIMS m/e calc'd for C<sub>19</sub>H<sub>15</sub>N<sub>3</sub>O<sub>4</sub>S: 382.0860,  
found: 382.0862.

#### 30 Example LIV

Preparation of 3-(4-N,N-dimethylaminophenyl)-5-  
(acetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
I using 4'-N,N,-dimethylaminoacetophenone as the starting  
35 material. mp >300 °C; CIMS m/e calc'd for C<sub>20</sub>H<sub>18</sub>N<sub>4</sub>O<sub>2</sub>:  
347.1496, found: 347.1508.

5

## Example LV

Preparation of 3-(4-N,N-dimethylaminophenyl)-5-(morpholinylacetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for examples  
10 II and XXIII employing the product of example LIV and morpholine as the starting materials. mp >300 °C; CIMS m/e calc'd for C<sub>24</sub>H<sub>26</sub>N<sub>5</sub>O<sub>3</sub>: 432.2036, found: 432.2020.

## Example LVI

15 Preparation of 3-(4-N,N-dimethylaminophenyl)-5-(dimethylaminoacetamido)indeno[1,2-c]pyrazol-4-one  
Prepared in a similar fashion as described for examples II and XXIII employing the product of example LIV and dimethylamine as the starting materials. mp >300 °C; CIMS  
20 m/e calc'd for C<sub>22</sub>H<sub>24</sub>N<sub>5</sub>O<sub>2</sub>: 390.1930, found: 390.1948.

## Example LVII

Preparation of 3-(4-(1-piperidinyl)phenyl)-5-(acetamido)indeno[1,2-c]pyrazol-4-one

25 Prepared in a similar fashion as described for example I using 4'-(1-piperidinyl)acetophenone as the starting material. mp 291 °C; CIMS m/e calc'd for C<sub>23</sub>H<sub>22</sub>N<sub>4</sub>O<sub>2</sub>: 387.1801, found: 387.1821.

30

## Example LVIII

Preparation of 3-(4-morpholinyl)phenyl)-5-(acetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example I using 4'-morpholinylacetophenone as the starting material.  
35 mp >300 °C; CIMS m/e calc'd for C<sub>22</sub>H<sub>20</sub>N<sub>4</sub>O<sub>3</sub>: 388.1528, found: 388.1535.

5

## Example LIX

Preparation of 3-(4-ethoxyphenyl)-5-(acetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example I using 4'-ethoxyacetophenone as the starting material. mp 288 °C; CIMS m/e calc'd for C<sub>20</sub>H<sub>17</sub>N<sub>3</sub>O<sub>3</sub>: 348.1325, found: 348.1348.

## Example LX

15 Preparation of 3-(4-butylphenyl)-5-(acetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example I using 4'-butylacetophenone as the starting material. mp 259 °C; CIMS m/e calc'd for C<sub>22</sub>H<sub>21</sub>N<sub>3</sub>O<sub>2</sub>: 360.1701, found: 360.1712.

## Example LXI

Preparation of 3-(4-ethylphenyl)-5-(acetamido)indeno[1,2-c]pyrazol-4-one

25 Prepared in a similar fashion as described for example I using 4'-ethylacetophenone as the starting material. mp 294 °C; CIMS m/e calc'd for C<sub>20</sub>H<sub>17</sub>N<sub>3</sub>O<sub>2</sub>: 331.1310, found: 331.1321.

30

## Example LXII

Preparation of 3-(4-n-propylphenyl)-5-(acetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example I using 4'-n-propylacetophenone as the starting material. mp 269 °C; CIMS m/e calc'd for C<sub>21</sub>H<sub>19</sub>N<sub>3</sub>O<sub>2</sub>: 346.1555, found: 346.1554.

5

## Example LXIII

Preparation of 3-(4-methoxyphenyl)-5-carbamoylaminoindeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
10 XLII using concentrated ammonium hydroxide as the starting  
material. mp >300 °C; CIMS m/e calc'd for C<sub>18</sub>H<sub>15</sub>N<sub>4</sub>O<sub>3</sub>:  
335.1144, found: 335.1113.

## Example LXIV

15 Preparation of 3-(4-methoxyphenyl)-5-(dimethylaminocarbamoyl)aminoindeno[1,2-c]pyrazol-4-one  
Prepared in a similar fashion as described for example  
XLII using dimethylamino hydrazine as the starting material.  
mp >300 °C; CIMS m/e calc'd for C<sub>20</sub>H<sub>20</sub>N<sub>5</sub>O<sub>3</sub>: 378.1566, found:  
20 378.1555.

## Example LXV

Preparation of 3-(4-methoxyphenyl)-5-(methylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one  
25 Prepared in a similar fashion as described for example  
XLII using methylamine as the starting material. mp >300 °C;  
CIMS m/e calc'd for C<sub>19</sub>H<sub>17</sub>N<sub>4</sub>O<sub>3</sub>: 349.1300, found: 349.1311.

## Example LXVI

30 Preparation of 3-(4-methoxyphenyl)-5-(morpholinocarbamoyl)aminoindeno[1,2-c]pyrazol-4-one  
Prepared in a similar fashion as described for example  
XLII using N-aminomorpholine as the starting material. mp  
>300 °C; CIMS m/e calc'd for C<sub>22</sub>H<sub>22</sub>N<sub>5</sub>O<sub>4</sub>: 420.1671, found:  
35 420.1655.

## 5 Example LXVII

Preparation of 3-(4-methoxyphenyl)-5-(cis-2-aminocyclohexanylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example XLII using cis-1,2-diaminocyclohexane as the starting material. mp >300 °C; CIMS m/e calc'd for C<sub>24</sub>H<sub>26</sub>N<sub>5</sub>O<sub>3</sub>: 432.2035, found: 432.2020.

## Example LXVIII

Preparation of 3-(4-methoxyphenyl)-5-(4-methylpiperazinylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example XLII using (4-amino)methylpiperazine as the starting material. mp >300 °C; CIMS m/e calc'd for C<sub>23</sub>H<sub>25</sub>N<sub>6</sub>O<sub>3</sub>: 433.1987, found: 433.1999.

20

## Example LXIX

Preparation of 3-(4-methoxyphenyl)-5-(4-uridomethylpiperadinyllacetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example XXIII using example XXX as the starting material. mp >300 °C; CIMS m/e calc'd for C<sub>26</sub>H<sub>29</sub>N<sub>6</sub>O<sub>4</sub>: 489.2250, found: 489.2209.

## Example LXX

Preparation of 3-(4-methoxyphenyl)-5-(4-(2-pyridyl)piperazinylacetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example XXIII using 4-(2-pyridyl)piperazine as the starting material. mp >300 °C; CIMS m/e calc'd for C<sub>28</sub>H<sub>27</sub>N<sub>6</sub>O<sub>3</sub>: 495.2144, found: 495.2111.

35

5

## Example LXXI

Preparation of 3-(4-methoxyphenyl)-5-(4-(aminoethyl)piperazinylacetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example XXIII using 4-(aminoethyl)piperazine as the starting material. mp >300 °C; CIMS m/e calc'd for C<sub>25</sub>H<sub>29</sub>N<sub>6</sub>O<sub>3</sub>: 461.2300, found: 461.2333.

15

## Example LXXII

Preparation of 3-(4-methoxyphenyl)-5-(4-amidopiperadinylacetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example XXIII using isonipecotamide as the starting material. mp >300 °C; CIMS m/e calc'd for C<sub>25</sub>H<sub>26</sub>N<sub>5</sub>O<sub>4</sub>: 460.1984, found:

20 460.1998.

## Example LXXIII

Preparation of 3-(4-methoxyphenyl)-5-(4-hydroxypiperadinylacetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example XXIII using 4-hydroxypiperadine as the starting material. mp >300 °C; CIMS m/e calc'd for C<sub>24</sub>H<sub>25</sub>N<sub>4</sub>O<sub>4</sub>: 433.1875, found: 433.1844.

30

## Example LXXIV

Preparation of 3-(4-methoxyphenyl)-5-(4-hydroxymethylpiperadinylacetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example XXIII using 4-hydroxymethylpiperadine as the starting material. mp >300 °C; CIMS m/e calc'd for C<sub>25</sub>H<sub>27</sub>N<sub>4</sub>O<sub>4</sub>: 447.2032, found: 447.2002.

5

## Example LXXV

Preparation of 3-(4-methoxyphenyl)-5-(4-amidopiperazinylacetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
10 XXIII using 4-amidopiperazine as the starting material. mp  
>300 °C; CIMS m/e calc'd for C<sub>24</sub>H<sub>25</sub>N<sub>6</sub>O<sub>6</sub>: 493.1835,  
found:493.1802.

## Example LXXVI

15 Preparation of 3-(4-methoxyphenyl)-5-(4-dimethylaminopiperadinylacetamido)indeno[1,2-c]pyrazol-4-one  
Prepared in a similar fashion as described for example  
XXIII using 4-dimethylaminopiperadine as the starting  
material. mp >300 °C; CIMS m/e calc'd for C<sub>26</sub>H<sub>30</sub>N<sub>5</sub>O<sub>5</sub>:  
20 492.2246, found:492.2220.

## Example LXXVII

Preparation of 3-(4-methoxyphenyl)-5-(4-aminopiperadinylacetamido)indeno[1,2-c]pyrazol-4-one  
25 Prepared in a similar fashion as described for example  
XXIII using 4-aminopiperadine as the starting material. mp  
>300 °C; CIMS m/e calc'd for C<sub>24</sub>H<sub>26</sub>N<sub>5</sub>O<sub>5</sub>: 464.1933,  
found:464.1975.

30

## Example LXXVIII

Preparation of 3-(4-(dimethylamino)phenyl)-5-((4-methyl-1-piperazinyl)acetamido)indeno[1,2-c]pyrazol-4-one  
Prepared in a similar fashion as described for examples  
II and XXIII employing the product of example LIV and 1-  
35 methylpiperazine as the starting materials. mp >300 °C; ESI-  
MS m/e calc'd for C<sub>25</sub>H<sub>29</sub>N<sub>6</sub>O<sub>2</sub>: 445.2352, found: 445.2359.

5

## Example LXXIX

Preparation of 3-(4-(dimethylamino)phenyl)-5-((4-amino methyl-1-piperidiny)acetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for examples  
10 II and XXIII employing the product of example LIV and 4-(aminomethyl)piperidine as the starting materials. ESI-MS  
m/e calc'd for C<sub>26</sub>H<sub>31</sub>N<sub>6</sub>O<sub>2</sub>: 459.2508, found: 459.2508.

## Example LXXX

15 Preparation of 3-(4-(dimethylamino)phenyl)-5-((4-hydroxy-1-piperidiny)acetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for examples  
II and XXIII employing the product of example LIV and 4-hydroxypiperidine as the starting materials. mp 267 °C; ESI-  
20 MS m/e calc'd for C<sub>25</sub>H<sub>28</sub>N<sub>5</sub>O<sub>3</sub>: 446.2192, found: 446.2206.

## Example LXXXI

Preparation of 3-(4-(4-morpholinyl)phenyl)-5-(4-morpholinyl)acetamido)indeno[1,2-c]pyrazol-4-one

25 Prepared in a similar fashion as described for examples  
II and XXIII employing the product of example LVIII and morpholine as the starting materials. mp 258 °C; ESI-MS m/e  
calc'd for C<sub>26</sub>H<sub>28</sub>N<sub>5</sub>O<sub>4</sub>: 474.2141, found: 474.2151.

30

## Example LXXXII

Preparation of 3-(4-(4-morpholinyl)phenyl)-5-((4-methyl-1-piperaziny)acetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for examples  
II and XXIII employing the product of example LVIII and 1-  
35 methylpiperazine as the starting materials. mp 258 °C; ESI-  
MS m/e calc'd for C<sub>27</sub>H<sub>31</sub>N<sub>6</sub>O<sub>3</sub>: 487.2457, found: 487.2447.



5

## Example LXXXIII

Preparation of 3-(4-(4-morpholinyl)phenyl)-5-((4-hydroxy-1-piperidinyl)acetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for examples  
10 II and XXIII employing the product of example LVIII and 4-hydroxypiperidine as the starting materials. mp 245 °C; ESI-MS m/e calc'd for C<sub>27</sub>H<sub>30</sub>N<sub>5</sub>O<sub>4</sub>: 488.2298, found: 488.2290.

## Example LXXXIV

15 Preparation of 3-(4-(4-morpholinyl)phenyl)-5-((4-amino methyl-1-piperidinyl)acetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for examples  
II and XXIII employing the product of example LVIII and 4-(aminomethyl)piperidine as the starting materials. mp 240  
20 °C; ESI-MS m/e calc'd for C<sub>28</sub>H<sub>33</sub>N<sub>6</sub>O<sub>3</sub>: 501.2614, found: 501.2619.

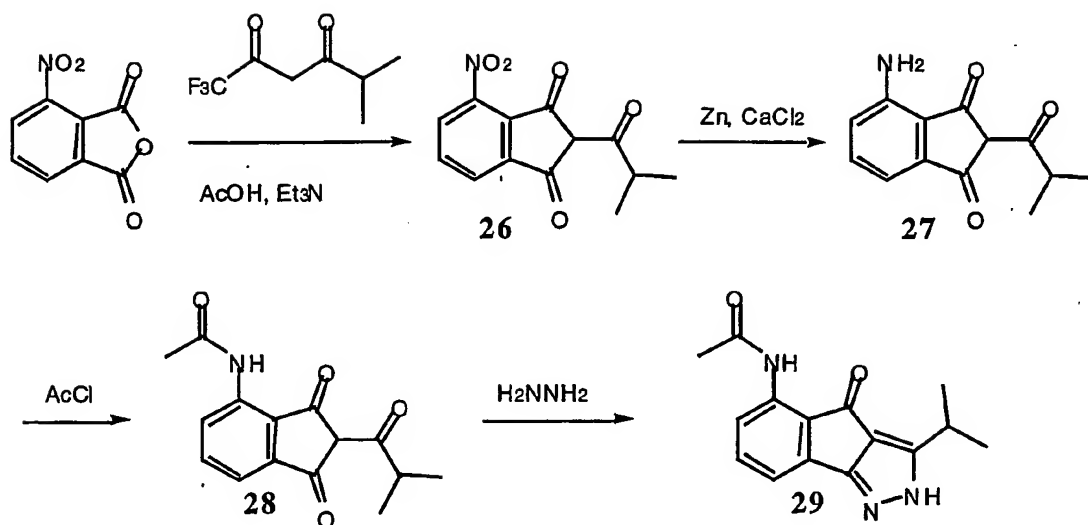
## Example LXXXV

Preparation of 3-(4-(dimethylamino)phenyl)-5-(((4-methyl-1-piperazinyl)amino)carbonyl)amino)indeno[1,2-c]pyrazol-4-one  
25

Prepared in a similar fashion as described for examples  
I, XXVII, and XLII employing the 4-(dimethylamino)acetophenone and 1-amino-4-methylpiperazine as the starting  
materials. mp >300 °C; ESI-MS m/e calc'd for C<sub>24</sub>H<sub>28</sub>N<sub>7</sub>O<sub>2</sub>:  
30 446.2304, found: 446.2310.

## Example LXXXVI

Preparation of 3-(i-propyl)-5-(acetamido)indeno[1,2-c]pyrazol-4-one



Step 1. Synthesis of 26 from 3-nitrophthalic anhydride.

A solution of 3-nitrophthalic anhydride (9.7 g, 50 mmol) and 1,1,1-trifluoro-5-methyl-2,4-hexanedione (9.1 g, 50 mmol) in acetic anhydride (28.3 mL, 300 mmol) was treated with triethylamine (13.95 mL, 100 mmol) and stirred at 25 °C for 4 h. The solution was diluted with 1 N HCl (200 mL) and the precipitate collected and washed with water (200 mL) and hexane (400 mL) to give the product as a yellow solid (11.1 g, 85%). mp 127-129 °C; CIMS (M+H) calc'd for  $\text{C}_{13}\text{H}_{12}\text{NO}_5$ : 262.0715, found: 262.0694.

Step 2. Synthesis of triketone 27 from 26.

A solution of 26 (11 g, 42 mmol) in EtOH (224 mL) and water (56 mL) was treated with zinc (90 g, 1.4 mol) and calcium chloride (3 g, 27 mmol) and heated to reflux for 16 h. The reaction was filtered (Celite) and the filtrate was concentrated at reduced pressure to give an aqueous residue which was extracted with EtOAc (100 mL). The organic layer was separated and washed with sat. EDTA (100 mL) and brine

5 (100 mL), dried (MgSO<sub>4</sub>), filtered, and concentrated at reduced pressure to give a yellow solid. Trituration with hexane gave the product as a yellow solid (7.1 g, 73%). mp 241-243 °C; CIMS (M+H) calc'd for C<sub>13</sub>H<sub>14</sub>NO<sub>3</sub>: 232.0974, found: 232.0962.

10

Step 3. Synthesis of 28 from 27.

A solution of 27 (500 mg, 2.16 mmol) in CH<sub>2</sub>Cl<sub>2</sub> (5 mL) was treated with Et<sub>3</sub>N (0.36 mL, 2.59 mmol) and stirred at 25 °C for 15 min. The reaction mixture was treated with acetyl chloride (0.18 mL, 2.38 mmol) and stirred at 25 °C for 1 h. 15 The reaction mixture was quenched with 1 N HCl (20 mL) and extracted with EtOAc (20 mL). The organic layer was separated, dried (MgSO<sub>4</sub>), filtered, and concentrated at reduced pressure to give a brown residue. Trituration with 20 hexane gave the product as a tan solid (484 mg, 82%). mp 241-243 °C; CIMS (M+H) calc'd for C<sub>15</sub>H<sub>16</sub>NO<sub>4</sub>: 274.1079, found: 274.1093.

Step 4. Synthesis of 29 from 28.

25 A solution of 28 (240 mg, 0.88 mmol) in BuOH (5 mL) was treated with hydrazine hydrate (0.055 mL, 1.76 mmol) and p-TsOH (8.4 mg, 0.044 mmol). The reaction was heated to reflux and stirred for 4 h. The reaction was cooled to 25 °C and the solvent removed at reduced pressure. Recrystallization 30 with i-propyl alcohol gave the product collected as an off-white solid (173 mg, 73%). mp >250 °C; ESIMS (M+H) calc'd for C<sub>15</sub>H<sub>16</sub>N<sub>3</sub>O<sub>2</sub>: 270.1242, found: 270.1258.

#### Example LXXXVII

35

Preparation of 3-(c-propyl)-5-(acetamido)indeno[1,2-c]pyrazol-4-one

5           Prepared in a similar fashion as described for example  
LXXXVI using the c-propyl analog of 26 as the starting  
material. mp 220-221 °C; CIMS (M+H) calc'd for C<sub>15</sub>H<sub>14</sub>N<sub>3</sub>O<sub>2</sub>:  
268.1086, found: 268.1078.

10                           Example LXXXVIII

Preparation of 3-(t-butyl)-5-  
(acetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
LXXXVI using the t-butyl analog of 26 as the starting  
15 material. mp >250 °C; CIMS (M+H) calc'd for C<sub>16</sub>H<sub>18</sub>N<sub>3</sub>O<sub>2</sub>:  
284.1399, found: 284.1395.

Example LXXXIX

Preparation of 3-(2-thienyl)-5-  
20 (acetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
LXXXVI using the 2-thienyl analog of 26 as the starting  
material. mp 269 °C; CIMS (M+H) calc'd for C<sub>16</sub>H<sub>12</sub>N<sub>3</sub>O<sub>2</sub>S:  
310.0650, found: 310.0635.

25

Example XC

Preparation of 3-(3-methyl-2-thienyl)-5-  
(acetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
30 LXXXVI using the 3-methyl-2-thienyl analog of 26 as the  
starting material. mp 275 °C; ESIMS (M+H) calc'd for  
C<sub>17</sub>H<sub>14</sub>N<sub>3</sub>O<sub>2</sub>S: 324.0811, found: 324.0807.

Example XCI

35                           Preparation of 3-(ethyl)-5-  
(carbamoyl)aminoindeno[1,2-c]pyrazol-4-one

5       Prepared in a similar fashion as described for example  
LXXXVI using ammonia and the ethyl analog of 15 as the  
starting materials. mp >250 °C; CIMS (M+H) calc'd for  
C<sub>13</sub>H<sub>13</sub>N<sub>4</sub>O<sub>2</sub>: 257.1039, found: 257.1033.

10                   Example XCII

Preparation of 3-(n-propyl)-5-

(carbamoyl)aminoindeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
LXXXVI using ammonia and the n-propyl analog of 15 as the  
15 starting materials. mp 187-189 °C; CIMS (M+H) calc'd for  
C<sub>14</sub>H<sub>15</sub>N<sub>4</sub>O<sub>2</sub>: 271.1195, found: 271.1187.

Example XCIII

Preparation of 3-(i-propyl)-5-

20 (carbamoyl)aminoindeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
LXXXVI using ammonia and the i-propyl analog of 15 as the  
starting materials. mp >250 °C; CIMS (M+H) calc'd for  
C<sub>14</sub>H<sub>15</sub>N<sub>4</sub>O<sub>2</sub>: 271.1195, found: 271.1196.

25                   Example XCIV

Preparation of 3-(c-propyl)-5-

(carbamoyl)aminoindeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
30 LXXXVI using ammonia and the c-propyl analog of 15 as the  
starting materials. mp 252-253 °C; ESIMS (M-H) calc'd for  
C<sub>14</sub>H<sub>11</sub>N<sub>4</sub>O<sub>2</sub>: 267.0881, found: 267.0884.

Example XCV

35                   Preparation of 3-(c-hexyl)-5-

(carbamoyl)aminoindeno[1,2-c]pyrazol-4-one

5           Prepared in a similar fashion as described for example LXXXVI using ammonia and the c-hexyl analog of 15 as the starting materials. mp 178-179 °C; ESIMS (M+H) calc'd for C<sub>17</sub>H<sub>19</sub>N<sub>4</sub>O<sub>2</sub>: 311.1507, found: 311.1500.

10

## Example XCVI

Preparation of 3-(2-thienyl)-5-

(carbamoyl)aminoindeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example LXXXVI using ammonia and the 2-thienyl analog of 15 as the starting materials. mp 214 °C; CIMS m+ calc'd for C<sub>15</sub>H<sub>10</sub>N<sub>4</sub>O<sub>2</sub>S: 310.0517, found: 310.0524.

## Example XCVII

Preparation of 3-(3-methyl-2-thienyl)-5-

20 (carbamoyl)aminoindeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example LXXXVI using ammonia and the 3-methyl-2-thienyl analog of 15 as the starting materials. mp 270 °C; ESIMS (M+H) calc'd for C<sub>16</sub>H<sub>13</sub>N<sub>4</sub>O<sub>2</sub>S: 325.0759, found: 325.0744.

25

## Example XCVIII

Preparation of 3-(5-methyl-2-thienyl)-5-

(carbamoyl)aminoindeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example LXXXVI using ammonia and the 5-methyl-2-thienyl analog of 15 as the starting materials. mp >280 °C; ESIMS (M+H) calc'd for C<sub>16</sub>H<sub>13</sub>N<sub>4</sub>O<sub>2</sub>S: 325.0759, found: 325.0761.

35

## Example XCIX

Preparation of 3-(5-ethylcarboxyl-2-thienyl)-5-

(carbamoyl)aminoindeno[1,2-c]pyrazol-4-one

5           Prepared in a similar fashion as described for example  
LXXXVI using ammonia and the 5-ethylcarboxyl-2-thienyl  
analog of 15 as the starting materials. mp >280 °C; ESIMS  
(M+H) calc'd for C<sub>18</sub>H<sub>15</sub>N<sub>4</sub>O<sub>4</sub>S: 383.0813, found: 383.0788.

10

## Example C

Preparation of 3-(3-thienyl)-5-

(carbamoyl)aminoindeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
LXXXVI using ammonia and the 3-thienyl analog of 15 as the  
15 starting materials. mp >280 °C; ESIMS (M+H) calc'd for  
C<sub>15</sub>H<sub>11</sub>N<sub>4</sub>O<sub>2</sub>S: 311.0603, found: 311.0594.

## Example CI

Preparation of 3-(5-chloro-3-thienyl)-5-

20 (carbamoyl)aminoindeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
LXXXVI using ammonia and the 5-chloro-3-thienyl analog of 15  
as the starting materials. mp >300 °C; ESIMS (M+H) calc'd  
for C<sub>15</sub>H<sub>10</sub>N<sub>4</sub>O<sub>2</sub>SCl: 345.0209, found: 345.0213.

25

## Example CII

Preparation of 3-(2,5-dimethyl-3-thienyl)-5-

(carbamoyl)aminoindeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
30 LXXXVI using ammonia and the 2,5-dimethyl-3-thienyl analog  
of 15 as the starting materials. mp >280 °C; ESIMS (M+H)  
calc'd for C<sub>17</sub>H<sub>15</sub>N<sub>4</sub>O<sub>2</sub>S: 339.0916, found: 339.0905.

## Example CIII

35

Preparation of 3-(2-furanyl)-5-

(carbamoyl)aminoindeno[1,2-c]pyrazol-4-one

5       Prepared in a similar fashion as described for example  
LXXXVI using ammonia and the 2-furanyl analog of 15 as the  
starting materials. mp 278 °C; ESIMS (M+H) calc'd for  
C<sub>15</sub>H<sub>11</sub>N<sub>4</sub>O<sub>3</sub>: 295.0831, found: 295.0838.

10

## Example CIV

Preparation of 3-(i-propyl)-5-(N,N-  
dimethylaminocarbamoyl)aminoindeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
LXXXVI using 1,1-dimethylhydrazine and the i-propyl analog  
15 of 15 as the starting materials. mp 231-233 °C; ESIMS (M+H)  
calc'd for C<sub>16</sub>H<sub>20</sub>N<sub>5</sub>O<sub>2</sub>: 314.1616, found: 314.1599.

## Example CV

Preparation of 3-(c-propyl)-5-(N,N-  
20 dimethylaminocarbamoyl)aminoindeno[1,2-c]pyrazol-4-one  
Prepared in a similar fashion as described for example  
LXXXVI using 1,1-dimethylhydrazine and the c-propyl analog  
of 15 as the starting materials. mp XXX °C; ESIMS (M+H)  
calc'd for C<sub>16</sub>H<sub>18</sub>N<sub>5</sub>O<sub>2</sub>: 312.1460, found: 312.1487.

25

## Example CVI

Preparation of 3-(c-hexyl)-5-(N,N-  
dimethylaminocarbamoyl)aminoindeno[1,2-c]pyrazol-4-one  
Prepared in a similar fashion as described for example  
30 LXXXVI using 1,1-dimethylhydrazine and the c-hexyl analog of  
15 as the starting materials. mp 229-231 °C; ESIMS (M+H)  
calc'd for C<sub>19</sub>H<sub>24</sub>N<sub>5</sub>O<sub>2</sub>: 354.1929, found: 354.1932.

## Example CVII

35       Preparation of 3-(2-thienyl)-5-(N,N-  
dimethylaminocarbamoyl)aminoindeno[1,2-c]pyrazol-4-one



5        Prepared in a similar fashion as described for example  
LXXXVI using 1,1-dimethylhydrazine and the 2-thienyl analog  
of 15 as the starting materials. mp 279 °C; ESIMS (M+H)  
calc'd for C<sub>17</sub>H<sub>16</sub>N<sub>5</sub>O<sub>2</sub>S: 354.1024, found: 354.1025.

10 Example CVIII

Preparation of 3-(5-methoxy-2-thienyl)-5-(N,N-dimethylaminocarbamoyl)aminoindeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example LXXXVI using 1,1-dimethylhydrazine and the 5-methoxy-2-thienyl analog of 15 as the starting materials. mp 280 °C; ESIMS (M+H) calc'd for C<sub>18</sub>H<sub>18</sub>N<sub>5</sub>O<sub>3</sub>S: 384.1130, found: 384.1119.

### Example CIX

20 Preparation of 3-(5-methyl-2-thienyl)-5-(N,N-  
dimethylaminocarbamoyl)aminoindeno[1,2-c]pyrazol-4-one  
Prepared in a similar fashion as described for example  
LXXXVI using 1,1-dimethylhydrazine and the 5-methyl-2-  
thienyl analog of 15 as the starting materials. mp >280 °C;  
25 ESIMS (M+H) calc'd for C<sub>18</sub>H<sub>18</sub>N<sub>5</sub>O<sub>2</sub>S: 368.1181, found:  
368.1171.

### Example CX

Preparation of 3-(5-ethylcarboxyl-2-thienyl)-5-(N,N-dimethylaminocarbamoyl)aminoindeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example LXXXVI using 1,1-dimethylhydrazine and the 5-ethylcarboxyl-2-thienyl analog of 15 as the starting materials. mp 252 °C; ESIMS (M+H) calc'd for C<sub>20</sub>H<sub>20</sub>N<sub>5</sub>O<sub>4</sub>S: 426.1236, found:

5

## Example CXI

Preparation of 3-(3-thienyl)-5-(N,N-dimethylaminocarbamoyl)aminoindeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example LXXXVI using 1,1-dimethylhydrazine and the 3-thienyl analog of 15 as the starting materials. mp 202 °C; ESIMS (M+H) calc'd for C<sub>17</sub>H<sub>16</sub>N<sub>5</sub>O<sub>2</sub>S: 354.1025, found: 354.1031.

## Example CXII

Preparation of 3-(1-methyl-3-pyrrolyl)-5-(carbamoyl)aminoindeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example LXXXVI using ammonia and the 1-methyl-3-pyrrolyl analog of 15 as the starting materials. mp >300 °C; ESIMS (M+H) calc'd for C<sub>16</sub>H<sub>14</sub>N<sub>5</sub>O<sub>2</sub>: 308.1147, found: 308.1166.

20

## Example CXIII

Preparation of 3-(2,5-dimethyl-3-thienyl)-5-(N,N-dimethylaminocarbamoyl)aminoindeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example LXXXVI using 1,1-dimethylhydrazine and the 2,5-dimethyl-3-thienyl analog of 15 as the starting materials. mp 252 °C; ESIMS (M+H) calc'd for C<sub>19</sub>H<sub>20</sub>N<sub>5</sub>O<sub>2</sub>S: 382.1338, found: 382.1357.

30

## Example CXIV

Preparation of 3-(2-furanyl)-5-(N,N-dimethylaminocarbamoyl)aminoindeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example LXXXVI using 1,1-dimethylhydrazine and the 2-furanyl analog of 15 as the starting materials. mp 202 °C; ESIMS (M+H) calc'd for C<sub>17</sub>H<sub>16</sub>N<sub>5</sub>O<sub>3</sub>: 338.1253, found: 338.1248.

5

## Example CXV

Preparation of 3-(i-propyl)-5-(4-carbamoylpiperidinylacetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
10 XXIII using isonipecotamide and the i-propyl analog of 14 as  
the starting materials. mp 224-225 °C; ESIMS (M+H) calc'd  
for C<sub>21</sub>H<sub>26</sub>N<sub>5</sub>O<sub>3</sub>: 396.2035, found: 396.2036.

## Example CXVI

15 Preparation of 3-(c-hexyl)-5-(4-carbamoylpiperidinylacetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
XXIII using isonipecotamide and the c-hexyl analog of 14 as  
the starting materials. mp 228-229 °C; ESIMS (M+H) calc'd  
20 for C<sub>24</sub>H<sub>30</sub>N<sub>5</sub>O<sub>3</sub>: 436.2348, found: 436.2345.

## Example CXVII

Preparation of 3-(ethyl)-5-(4-aminomethylpiperidinylacetamido)indeno[1,2-c]pyrazol-4-one

25 Prepared in a similar fashion as described for example  
XXIII using 4-(aminomethyl)piperidine and the ethyl analog  
of 14 as the starting materials. mp 174-176 °C; ESIMS (M+H)  
calc'd for C<sub>20</sub>H<sub>26</sub>N<sub>5</sub>O<sub>2</sub>: 368.2086, found: 368.2078.

30

## Example CXVIII

Preparation of 3-(i-propyl)-5-(4-aminomethylpiperidinylacetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
XXIII using 4-(aminomethyl)piperidine and the i-propyl  
35 analog of 14 as the starting materials. mp 218-220 °C; ESIMS  
(M+H) calc'd for C<sub>21</sub>H<sub>28</sub>N<sub>5</sub>O<sub>2</sub>: 382.2242, found: 382.2227.

5

## Example CXIX

Preparation of 3-(c-propyl)-5-(4-aminomethylpiperidinylacetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
10 XXIII using 4-(aminomethyl)piperidine and the c-propyl  
analog of 14 as the starting materials. mp 138-140 °C; ESIMS  
(M+H) calc'd for C<sub>21</sub>H<sub>26</sub>N<sub>5</sub>O<sub>2</sub>: 380.2086, found: 380.2079.

## Example CXX

15 Preparation of 3-(c-hexyl)-5-(4-aminomethylpiperidinylacetamido)indeno[1,2-c]pyrazol-4-one  
Prepared in a similar fashion as described for example  
XXIII using 4-(aminomethyl)piperidine and the c-hexyl analog  
of 14 as the starting materials. mp 196-198 °C; ESIMS (M+H)  
20 calc'd for C<sub>24</sub>H<sub>32</sub>N<sub>5</sub>O<sub>2</sub>: 422.2555, found: 422.2540.

## Example CXXI

Preparation of 3-(i-propyl)-5-(4-methylpiperazinylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one  
25 Prepared in a similar fashion as described for example  
LXXXVI using 1-amino-4-methylpiperazine and the i-propyl  
analog of 15 as the starting materials. mp 231-233 °C; ESIMS  
(M+H) calc'd for C<sub>19</sub>H<sub>25</sub>N<sub>6</sub>O<sub>2</sub>: 369.2038, found: 369.2039.

30

## Example CXXII

Preparation of 3-(5-ethylcarboxyl-2-thienyl)-5-(4-methylpiperazinylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one  
Prepared in a similar fashion as described for example  
LXXXVI using 1-amino-4-methylpiperazine and the 5-  
35 ethylcarboxyl-2-thienyl analog of 15 as the starting

5 materials. mp 249 °C; ESIMS (M+H) calc'd for C<sub>23</sub>H<sub>25</sub>N<sub>6</sub>O<sub>4</sub>S:  
481.1657, found: 481.1642.

#### Example CXXIII

Preparation of 3-(5-carboxyl-2-thienyl)-5-(4-  
10 methylpiperazinylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one  
A solution of CXXII (30 mg, 0.05 mmol) in 3:1 THF/water  
(2 mL) was treated with LiOH (23 mg, 0.5 mmol) and the  
reaction was stirred at 25 °C for 12 h and then heated to  
reflux for 1 h. The organic solvent was removed at reduced  
15 pressure and the residue was partitioned between EtOAc (5 mL)  
and water (5 mL). The organic layer was separated and the  
aqueous phase was adjusted to pH = 2 with 1 M HCl and re-  
extracted with EtOAc (5 mL). The combined organic layers  
were dried (Na<sub>2</sub>SO<sub>4</sub>), filtered and concentrated at reduced  
20 pressure to give a crude residue. Purification by reverse  
phase HPLC gave the product as a yellow solid (10.4 mg,  
46%). mp 270 °C; ESIMS (M+H) calc'd for C<sub>21</sub>H<sub>21</sub>N<sub>6</sub>O<sub>4</sub>S:  
453.1344, found: 453.1353.

#### 25 Example CXXIV

Preparation of 3-(2,5-dimethyl-3-thienyl)-5-(4-  
methylpiperazinylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one  
Prepared in a similar fashion as described for example  
LXXXVI using 1-amino-4-methylpiperazine and the 2,5-  
30 dimethyl-3-thienyl analog of 15 as the starting materials.  
mp 250 °C; ESIMS (M+H) calc'd for C<sub>22</sub>H<sub>25</sub>N<sub>6</sub>O<sub>2</sub>S: 437.1760,  
found: 437.1771.

#### Example CXXV

35 Preparation of 3-(i-propyl)-5-  
(morpholinylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one

5       Prepared in a similar fashion as described for example LXXXVI using 4-aminomorpholine and the i-propyl analog of 15 as the starting materials. mp 256-258 °C; ESIMS (M-H) calc'd for C<sub>18</sub>H<sub>20</sub>N<sub>5</sub>O<sub>3</sub>: 354.1566, found: 354.1543.

10

## Example CXXVI

Preparation of 3-(N-methylcarbamoyl-4-piperidinyl)-5-(morpholinylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example LXXXVI using 4-aminomorpholine and the N-methylcarbamoyl-4-piperidinyl analog of 15 as the starting materials. mp 216-218 °C; ESIMS (M+H) calc'd for C<sub>22</sub>H<sub>27</sub>N<sub>6</sub>O<sub>5</sub>: 455.2042, found: 455.2036.

## Example CXXVII

20

Preparation of 3-(5-methyl-2-thienyl)-5-(morpholinylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example LXXXVI using 4-aminomorpholine and the 5-methyl-2-thienyl analog of 15 as the starting materials. mp 261 °C; ESIMS (M+H) calc'd for C<sub>20</sub>H<sub>20</sub>N<sub>5</sub>O<sub>3</sub>S: 410.1287, found: 410.1308.

## Example CXXVIII

Preparation of 3-(5-chloro-3-thienyl)-5-(morpholinylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one

30       Prepared in a similar fashion as described for example LXXXVI using 4-aminomorpholine and the 5-chloro-3-thienyl analog of 15 as the starting materials. mp 259 °C; ESIMS (M+H) calc'd for C<sub>19</sub>H<sub>17</sub>N<sub>5</sub>O<sub>3</sub>SCl: 430.0741, found: 430.0757.

35

## Example CXXIX

5           Preparation of 3-(2,5-dimethyl-3-thienyl)-5-  
         (morpholinylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one  
         Prepared in a similar fashion as described for example  
LXXXVI using 4-aminomorpholine and the 2,5-dimethyl-3-  
thienyl analog of 15 as the starting materials. mp >280 °C;  
10   ESIMS (M+H) calc'd for C<sub>21</sub>H<sub>22</sub>N<sub>5</sub>O<sub>3</sub>S: 424.1443, found:  
424.1431.

#### Example CXXX

         Preparation of 3-(5-ethylcarboxyl-2-thienyl)-5-  
15   (morpholinylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one  
         Prepared in a similar fashion as described for example  
LXXXVI using 4-aminomorpholine and the 5-ethylcarboxyl-2-  
thienyl analog of 15 as the starting materials. mp 258 °C;  
ESIMS (M+H) calc'd for C<sub>22</sub>H<sub>22</sub>N<sub>5</sub>O<sub>5</sub>S: 468.1341, found:  
20   468.1331.

#### Example CXXXI

         Preparation of 3-(5-carboxyl-2-thienyl)-5-  
         (morpholinylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one  
25   Prepared in a similar fashion as described for example  
LXXXVI (HYDROLYSIS OF PREVIOUS ESTER). mp 273 °C; ESIMS  
(M+H) calc'd for C<sub>20</sub>H<sub>18</sub>N<sub>5</sub>O<sub>5</sub>S: 440.1028, found: 440.1026.

#### Example CXXXII

30   Preparation of 3-(5-benzylcarboxamido-2-thienyl)-5-  
         (morpholinylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one  
         A solution of benzylamine (0.01 mL, 0.09 mmol) in DMF  
(1 mL) was treated with acid CXXXI (40 mg, 0.09 mmol) and  
stirred at 25 °C. The reaction was treated with TBTU (29 mg,  
35   0.09 mmol) and stirred at 25 °C for 30 min. Triethylamine  
(0.01 mL, 0.09 mmol) was added and the reaction stirred at

5 25 °C for 12 h. After adding more TBTU (15 mg, 0.045 mmol)  
and triethylamine (0.01 mL, 0.09 mmol) the reaction was  
stirred at 25 °C for an additional 4 h. The reaction was  
diluted with EtOAc (10 mL) and water (10 mL) and the aqueous  
layer was extracted with EtOAc (5 x 10 mL). The combined  
10 organic layers were dried (Na<sub>2</sub>SO<sub>4</sub>), filtered, and the  
solvent removed at reduced pressure. Purification of the  
residue using reverse phase HPLC gave the product as a  
yellow solid (21 mg, 42%). mp 275 °C; ESIMS (M+H) calc'd for  
C<sub>27</sub>H<sub>25</sub>N<sub>5</sub>O<sub>4</sub>S: 529.1659, found: 529.1682.

15

## Example CXXXIII

Preparation of 3-(5-(4-methylpiperazinyl)carboxamido-2-  
thienyl)-5-(morpholinylcarbamoyl)aminoindeno[1,2-c]pyrazol-  
4-one

20 Prepared in a similar fashion as described for example  
CXXXII using 1-amino-4-methylpiperazine as the starting  
material. mp 190 °C; ESIMS (M+H) calc'd for C<sub>25</sub>H<sub>29</sub>N<sub>8</sub>O<sub>4</sub>S:  
537.2032, found: 537.2055.

25

## Example CXXXIV

Preparation of 3-(5-(2-(1-  
methylpyrrolidinyl)ethyl)carboxamido-2-thienyl)-5-  
(morpholinylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
30 CXXXII using 2-(2-aminoethyl)-1-methylpyrrolidine as the  
starting material. mp 235 °C; ESIMS (M+H) calc'd for  
C<sub>27</sub>H<sub>32</sub>N<sub>7</sub>O<sub>4</sub>S: 550.2236, found: 550.2229.

## Example CXXXV



5 Preparation of 3-(5-(N,N-dimethylamino)carboxamido-2-thienyl)-5-(morpholinylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example CXXXII using 1,1-dimethylhydrazine as the starting material.  
10 mp 201 °C; ESIMS (M+H) calc'd for C<sub>22</sub>H<sub>24</sub>N<sub>7</sub>O<sub>4</sub>S: 482.1610, found: 482.1588.

#### Example CXXXVI

Preparation of 3-(5-(2-(N,N-dimethylamino)ethyl)carboxamido-2-thienyl)-5-(morpholinylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one  
15

Prepared in a similar fashion as described for example CXXXII using N,N-dimethylethylenediamine as the starting material. mp 190 °C; ESIMS (M+H) calc'd for C<sub>24</sub>H<sub>28</sub>N<sub>7</sub>O<sub>4</sub>S:  
20 510.1923, found: 510.1922.

#### Example CXXXVII

Preparation of 3-(5-(2-(pyrrolidinyl)ethyl)carboxamido-2-thienyl)-5-(morpholinylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one  
25

Prepared in a similar fashion as described for example CXXXII using 1-(2-aminoethyl)pyrrolidine as the starting material. mp 224 °C; ESIMS (M+H) calc'd for C<sub>26</sub>H<sub>30</sub>N<sub>7</sub>O<sub>4</sub>S: 536.2080, found: 536.2091.  
30

#### Example CXXXVIII

Preparation of 3-(5-(2-(morpholinyl)ethyl)carboxamido-2-thienyl)-5-(morpholinylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one  
35

Prepared in a similar fashion as described for example CXXXII using 4-(2-aminoethyl)morpholine as the starting

- 5 material. mp 241 °C; ESIMS (M+H) calc'd for C<sub>26</sub>H<sub>30</sub>N<sub>7</sub>O<sub>5</sub>S:  
552.2029, found: 552.2043.

#### Example CXXXIX

- Preparation of 3-(5-morpholinylcarboxamido-2-thienyl)-5-  
10 (morpholinylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one  
Prepared in a similar fashion as described for example  
CXXXII using 4-aminomorpholine as the starting material. mp  
271 °C; ESIMS (M+H) calc'd for C<sub>24</sub>H<sub>26</sub>N<sub>7</sub>O<sub>5</sub>S: 524.1716, found:  
524.1719.

15

#### Example CXL

- Preparation of 3-(5-(3-(pyrrolidonyl)propyl)carboxamido-2-  
thienyl)-5-(morpholinylcarbamoyl)aminoindeno[1,2-c]pyrazol-  
4-one  
20 Prepared in a similar fashion as described for example  
CXXXII using 1-(3-aminopropyl)-2-pyrrolidinone as the  
starting material. mp 260 °C; ESIMS (M+H) calc'd for  
C<sub>27</sub>H<sub>30</sub>N<sub>7</sub>O<sub>5</sub>S: 564.2029, found: 564.2031.

25

#### Example CXLI

- Preparation of 3-(5-(2-(3-pyridyl)ethyl)carboxamido-2-  
thienyl)-5-(morpholinylcarbamoyl)aminoindeno[1,2-c]pyrazol-  
4-one  
Prepared in a similar fashion as described for example  
30 CXXXII using 3-(2-aminoethyl)pyridine as the starting  
material. mp 203 °C; ESIMS (M+H) calc'd for C<sub>27</sub>H<sub>26</sub>N<sub>7</sub>O<sub>4</sub>S:  
544.1766, found: 544.1760.

#### Example CXLII

5 Preparation of 3-(5-(3-(imidazolyl)propyl)carboxamido-2-thienyl)-5-(morpholinylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example CXXXII using 1-(3-aminopropyl)imidazole as the starting material. mp 263 °C; ESIMS (M+H) calc'd for C<sub>26</sub>H<sub>27</sub>N<sub>8</sub>O<sub>4</sub>S: 547.1875, found: 547.1872.

#### Example CXLIII

Preparation of 3-(5-(2-(2-pyridyl)ethyl)carboxamido-2-thienyl)-5-(morpholinylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example CXXXII using 2-(2-aminoethyl)pyridine as the starting material. mp >280 °C; ESIMS (M+H) calc'd for C<sub>27</sub>H<sub>26</sub>N<sub>7</sub>O<sub>4</sub>S: 544.1767, found: 544.1778.

#### Example CXLIV

Preparation of 3-(5-((2-pyridyl)methyl)carboxamido-2-thienyl)-5-(morpholinylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example CXXXII using 2-(aminomethyl)pyridine as the starting material. mp 239 °C; ESIMS (M+H) calc'd for C<sub>26</sub>H<sub>24</sub>N<sub>7</sub>O<sub>4</sub>S: 530.1610, found: 530.1603.

30

#### Example CXLV

Preparation of 3-(5-(2-(piperidinyl)ethyl)carboxamido-2-thienyl)-5-(morpholinylcarbamoyl)aminoindeno[1,2-c]pyrazol-4-one

35 Prepared in a similar fashion as described for example CXXXII using 1-(2-aminoethyl)piperidine as the starting

5 material. mp 228 °C; ESIMS (M+H) calc'd for C<sub>27</sub>H<sub>32</sub>N<sub>7</sub>O<sub>4</sub>S:  
550.2236, found: 550.2236.

### Example CXLVI

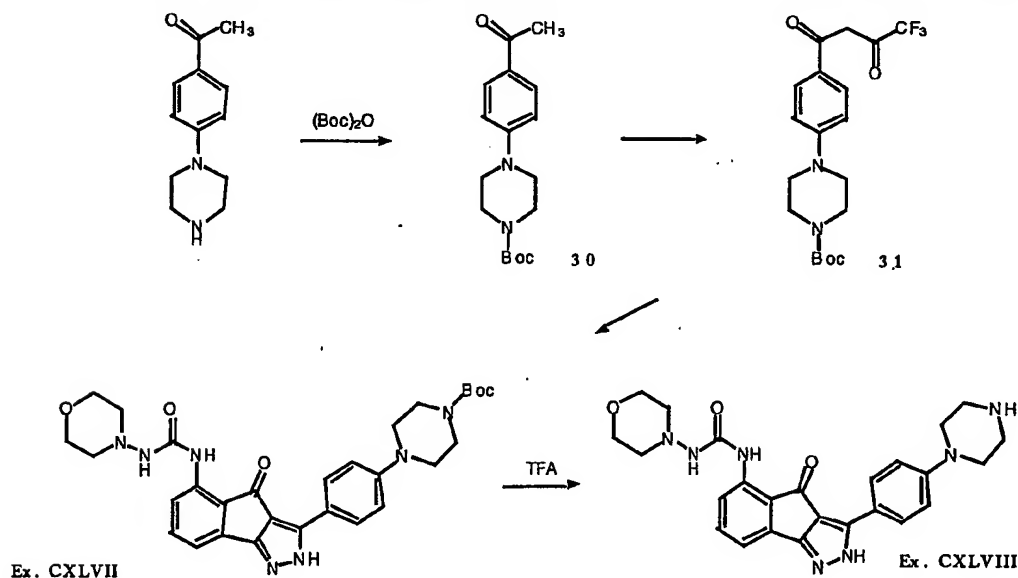
Preparation of 3-(4-(trifluoromethyl)phenyl)-5-  
10 (acetamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
LXXXVI employing 1-(4-(trifluoromethyl)phenyl)-4,4,4-  
trifluoro-1,3-butanedione as the starting material. mp >300  
°C; ESI<sup>-</sup>MS m/e calc'd for C<sub>19</sub>H<sub>11</sub>N<sub>3</sub>O<sub>2</sub>: 370.0804, found:

15 370.0809.

### Example CXLVII

Preparation of 3-(4-(4-t-butoxycarbonyl-1-  
piperazinyl)phenyl)-5-(((4-  
20 morpholinylamino)carbonyl)amino)indeno[1,2-c]pyrazol-4-one



#### Step 1. Synthesis of 30.

A solution of 4-piperazinoacetophenone (24.8 g, 121  
25 mmol) and di-tert-butyl dicarbonate (27.8 g, 128 mmol) in

5 480 mL of tetrahydrofuran was refluxed for 16 h. After cooling to room temperature the solution was concentrated under vacuum. The resulting solids were washed with hexane and dried under vacuum to afford 29.4 g (80%) of the product as an off-white solid. NMR (CDCl<sub>3</sub>)  $\delta$  7.89 (d, 2 H, J = 9 Hz), 6.87 (d, 2 H, J = 9 Hz), 3.59 (m, 4 H), 3.33 (m, 4 H), 2.53 (s, 3 H), 1.49 (s, 9 H).

Step 2. Synthesis of 31 from 30.

To a solution of 30 (11.35 g, 37 mmol) and ethyl trifluoroacetate (5.40 mL, 45 mmol) in 50 mL of tetrahydrofuran at 25 °C was added dropwise over 15 min. 21% sodium ethoxide in ethanol (16.8 mL, 45 mmol), and the resulting solution then was stirred at 25 °C for 14 h. The reaction mixture was diluted with water, adjusted to pH 5 with conc. hydrochloric acid, and extracted with ethyl acetate. The combined extracts were washed with water and brine, dried over anhydrous sodium sulfate, filtered, and concentrated under vacuum. The resulting solid was washed with diethyl ether and dried to furnish 12.1 g (81%) of the product as an orange solid. NMR (CDCl<sub>3</sub>)  $\delta$  7.87 (d, 2 H, J = 9 Hz), 6.87 (d, 2 H, J = 9 Hz), 6.45 (s, 1 H), 3.60 (m, 4 H), 3.41 (m, 4 H), 1.48 (s, 9 H).

Step 3. Synthesis of CXLVII from 31.

30 Prepared in a similar fashion as described for examples LXXVI and XLII employing 31 and 4-aminomorpholine as starting materials. mp 242 °C; ESI-MS m/e calc'd for C<sub>30</sub>H<sub>36</sub>N<sub>7</sub>O<sub>5</sub> 574.2778, found: 574.2762.

35 Example CXLVIII

Preparation of 3-(4-(1-piperazinyl)phenyl)-5-(((4-morpholinylamino)carbonyl)amino)indeno[1,2-c]pyrazol-4-one

A solution of CXLVII (0.58 g, 1.0 mmol) in 20 mL of trifluoroacetic acid was stirred at 25 °C for 2 h. The reaction mixture was concentrated under vacuum, and the

5 residue was recrystallized from ethanol to provide 0.53 g (89%) of the yellow product as its TFA-salt. mp 263 °C; ESI-MS m/e calc'd for C<sub>25</sub>H<sub>28</sub>N<sub>7</sub>O<sub>3</sub>: 474.2254, found: 474.2280.

#### Example CXLIX

10 Preparation of 3-(4-(1-piperazinyl)phenyl)-5-((aminocarbonyl)amino)indeno[1,2-c]pyrazol-4-one  
Prepared in a similar fashion as described for examples XLII and CXLVIII employing 2-(4-(4-t-butoxycarbonyl-1-piperazinyl)benzoyl)-4-amino-1,3-indanedione obtained in  
15 example CXLVII and ammonia as the starting materials. mp 257 °C; ESI-MS m/e calc'd for C<sub>21</sub>H<sub>21</sub>N<sub>6</sub>O<sub>2</sub>: 389.1726, found: 389.1724.

#### Example CL

20 Preparation of 3-(4-(1-piperazinyl)phenyl)-5-((hydrazinocarbonyl)amino)indeno[1,2-c]pyrazol-4-one  
Prepared in a similar fashion as described for examples XLII and CXLVIII employing 2-(4-(4-t-butoxycarbonyl-1-piperazinyl)benzoyl)-4-amino-1,3-indanedione obtained in  
25 example CXLVII and hydrazine as the starting materials. mp 257 °C; ESI-MS m/e calc'd for C<sub>21</sub>H<sub>22</sub>N<sub>7</sub>O<sub>2</sub>: 404.1835, found: 404.1834.

#### Example CLI

30 Preparation of 3-(4-(1-piperazinyl)phenyl)-5-((dimethylamino)acetamido)indeno[1,2-c]pyrazol-4-one  
Prepared employing 2-(4-(4-t-butoxycarbonyl-1-piperazinyl)benzoyl)-4-amino-1,3-indanedione obtained in example CXLVII as the starting material. Chloroacetylation  
35 and treatment with dimethylamine in a similar fashion as described for examples II and XXIII, followed by treatment

5 with hydrazine and removal of the t-butoxycarbonyl group in a similar fashion as described for examples I and CXLVIII, afforded the example compound. mp 243 °C; ESI-MS m/e calc'd for C<sub>24</sub>H<sub>27</sub>N<sub>6</sub>O<sub>2</sub>: 431.2196, found: 431.2198.

10

## Example CLII

Preparation of 3-(4-(1-piperazinyl)phenyl)-5-((4-morpholinyl)acetamido)indeno[1,2-c]pyrazol-4-one

Prepared employing 2-(4-(4-t-butoxycarbonyl-1-piperazinyl)benzoyl)-4-amino-1,3-indanedione obtained in  
15 example CXLVII as the starting material. Chloroacetylation and treatment with morpholine in a similar fashion as described for examples II and XXIII, followed by treatment with hydrazine and removal of the t-butoxycarbonyl group in a similar fashion as described for examples I and CXLVIII,  
20 afforded the example compound. mp 259 °C; ESI-MS m/e calc'd for C<sub>26</sub>H<sub>29</sub>N<sub>6</sub>O<sub>3</sub>: 473.2301, found: 473.2302.

## Example CLIII

Preparation of 3-(4-(1-piperazinyl)phenyl)-5-((4-methyl-1-piperazinyl)acetamido)indeno[1,2-c]pyrazol-4-one  
25

Prepared employing 2-(4-(4-t-butoxycarbonyl-1-piperazinyl)benzoyl)-4-amino-1,3-indanedione obtained in example CXLVII as the starting material. Chloroacetylation and treatment with 1-methylpiperazine in a similar fashion  
30 as described for examples II and XXIII, followed by treatment with hydrazine and removal of the t-butoxycarbonyl group in a similar fashion as described for examples I and CXLVIII, afforded the example compound. ESI-MS m/e calc'd for C<sub>27</sub>H<sub>32</sub>N<sub>7</sub>O<sub>2</sub>: 486.2618, found: 486.2608.

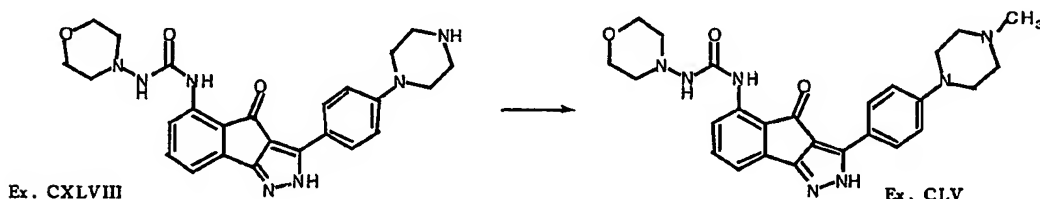
35

## Example CLIV

5 Preparation of 3-(4-(1-piperazinyl)phenyl)-5-((4-amino  
methyl-1-piperidiny)acetamido)indeno[1,2-c]pyrazol-4-one  
Prepared employing 2-(4-(4-t-butoxycarbonyl-1-  
piperazinyl)benzoyl)-4-amino-1,3-indanedione obtained in  
example CXLVII as the starting material. Chloroacetylation  
10 and treatment with 4-(aminomethyl)piperidine in a similar  
fashion as described for examples II and XXIII, followed by  
treatment with hydrazine and removal of the t-butoxycarbonyl  
group in a similar fashion as described for examples I and  
CXLVIII, afforded the example compound. mp 239 °C; ESI-MS  
15 m/e calc'd for C<sub>28</sub>H<sub>34</sub>N<sub>7</sub>O<sub>2</sub>: 500.2774, found: 500.2772.

#### Example CLV

Preparation of 3-(4-(4-methyl-1-piperazinyl)phenyl)-5-((4-  
morpholinylamino)carbonyl)amino)indeno[1,2-c]pyrazol-4-one  
20



To a solution of CXLVIII (0.17 g, 0.29 mmol) in 10 mL  
of methanol and 2 mL of water at 25 °C was added  
25 sequentially 37% aqueous formaldehyde (0.45 g, 5.8 mmol),  
sodium cyanoborohydride (0.18 g, 2.9 mmol), and 4 drops of  
acetic acid. The resulting solution was stirred at 25 °C for  
16 h. The mixture was diluted with water. It then was made  
acidic (~pH 1) with conc. hydrochloric acid and stirred for  
10 min. The solution next was made basic (~pH 13) with 50%  
30 aqueous sodium hydroxide and finally adjusted to pH 10 with  
1 N hydrochloric acid. The mixture was extracted with 4:1  
chloroform/isopropanol. The combined extracts were washed



5 with water and brine, dried over anhydrous sodium sulfate,  
and filtered. To the filtrate was added excess  
trifluoroacetic acid, and the solution was concentrated  
under vacuum. The residue was recrystallized from  
isopropanol to furnish 0.16 g (92%) of the yellow product as  
10 its TFA-salt. mp 245 °C; ESI-MS m/e calc'd for C<sub>26</sub>H<sub>30</sub>N<sub>7</sub>O<sub>3</sub>:  
488.2410, found: 488.2420.

#### Example CLVI

Preparation of 3-(4-(4-ethyl-1-piperazinyl)phenyl)-5-(((4-  
15 morpholinylamino)carbonyl)amino)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
CLV employing CXLVIII and acetaldehyde as the starting  
materials. mp 245 °C; ESI-MS m/e calc'd for C<sub>27</sub>H<sub>32</sub>N<sub>7</sub>O<sub>3</sub>:  
502.2567, found: 502.2555.

20

#### Example CLVII

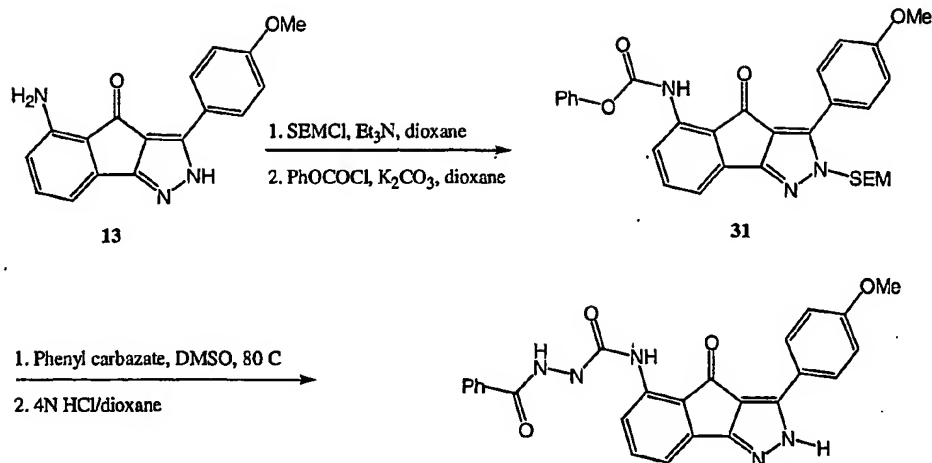
Preparation of 3-(4-(4-isopropyl-1-piperazinyl)phenyl)-5-  
(((4-morpholinylamino)carbonyl)amino)indeno[1,2-c]pyrazol-4-  
one

25 Prepared in a similar fashion as described for example  
CLV employing CXLVIII and acetone as the starting materials.  
mp 253 °C; ESI-MS m/e calc'd for C<sub>28</sub>H<sub>34</sub>N<sub>7</sub>O<sub>3</sub>: 516.2723,  
found: 516.2726.

30

#### Example CLVIII

Preparation of 3-(4-methoxyphenyl)-5-(2-  
benzoylhydrazinecarboxamido)indeno[1,2-c]pyrazol-4-one  
Step 1. Synthesis of 31 from 13.



- 5 A suspension of aniline 31 (0.5 g, 1.7 mmol) in dioxane (10 mL) was treated with triethylamine (0.48 mL, 3.4 mmol) in one portion at room temperature. Then 2-(trimethylsilyl) ethyloxy chloride (SEMCl) (0.48 mL, 2.6 mmol) was added in one portion and the mixture heated to reflux for 2 h. The
- 10 reaction was cooled, diluted with EtOAc (20 mL) washed with water (10 mL), dried (MgSO<sub>4</sub>) and the solvent removed at reduced pressure. The residue was taken up in benzene (3 mL), applied to a plug of silica gel (10 g) and eluted with EtOAc/Hexane (1:3) until all the yellow color was washed
- 15 from the silica gel plug. The solvent was evaporated and the residue taken on to the next step. This material was dissolved in dioxane (10 mL) and treated with K<sub>2</sub>CO<sub>3</sub> (0.36 g, 2.6 mmol) in one portion. Then phenylchloroformate (0.27 mL, 2.23 mmol) was added in one portion and the reaction heated
- 20 to 50 C for 2 h. The reaction was cooled and the solvent removed at reduced pressure. The residue was recrystallized from EtOH to give a yellow solid (0.4 g, 43%). mp °C; CIMS m/e calculated for C<sub>30</sub>H<sub>32</sub>N<sub>3</sub>O<sub>5</sub>Si: 542.2111, found: 542.2101;
- 25 Step 2. Synthesis of Ex. CLVIII from 31.

Compound 31 (0.015 g, 0.03 mmol) in DMSO (0.2 mL) was treated with phenylcarbazate (0.008 g, 0.06 mmol) in one portion and heated to 80 C for 30 minutes. The solvent was removed at reduced pressure heating to 65 C. The residue was dissolved in EtOH (0.5 mL) and treated with 4N HCl/dioxane (0.4 mL). The mixture was heated to 80 C for 20 minutes and then cooled. The desired product was filtered and air dried (0.008g, 62%). mp >300 °C; CIMS m/e calculated for C<sub>26</sub>H<sub>27</sub>N<sub>4</sub>O<sub>4</sub>: 459.2032, found: 459.1999;

15 Example CLIX

Preparation of 3-(4-methoxyphenyl)-5-(2-isonicotinoylhydrazinecarboxamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example CLVIII using 4-pyridylcarbazate as the starting material. mp 248 °C; CIMS m/e calculated for C<sub>24</sub>H<sub>19</sub>N<sub>6</sub>O<sub>4</sub>: 455.1468, found: 455.1400;

### Example CLX

Preparation of 3-(4-methoxyphenyl)-5-(2-nictinoylhydrazinecarboxamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example CLVIII using 3-pyridylcarbazate as the starting material. mp 227 °C; CIMS m/e calc'd for C<sub>24</sub>H<sub>19</sub>N<sub>6</sub>O<sub>4</sub>: 455.1468, found: 455.1487;

30

Example CLXI

Preparation of 3-(4-methoxyphenyl)-5-(2-(3,4-dihydroxy benzoyl)hydrazinecarboxamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
35 CLVIII using 3,4-dihydroxyphenyl carbazate as the starting

5 material. mp >300 °C; CIMS m/e calc'd for C<sub>25</sub>H<sub>20</sub>N<sub>5</sub>O<sub>6</sub>:  
486.1414, found: 486.1497;

#### Example CLXII

Preparation of 3-(4-methoxyphenyl)-5-(2-(4-hydroxy  
10 benzoyl)hydrazinecarboxamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
CLVIII using 4-hydroxyphenyl carbazate as the starting  
material. mp 283 °C; CIMS m/e calc'd for C<sub>25</sub>H<sub>20</sub>N<sub>5</sub>O<sub>5</sub>:  
470.1464, found: 470.1544;

15

#### Example CLXIII

Preparation of 3-(4-methoxyphenyl)-5-(2-(3-  
aminobenzoyl)hydrazinecarboxamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
20 CLVIII using 3-aminophenyl carbazate as the starting  
material. mp 250 °C; CIMS m/e calc'd for C<sub>25</sub>H<sub>21</sub>N<sub>6</sub>O<sub>4</sub>:  
469.1624, found: 469.1513;

#### Example CLXIV

25 Preparation of 3-(4-methoxyphenyl)-5-(2-(4-  
aminobenzoyl)hydrazinecarboxamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
CLVIII using 4-aminophenyl carbazate as the starting  
material. mp 247 °C; CIMS m/e calc'd for C<sub>25</sub>H<sub>21</sub>N<sub>6</sub>O<sub>4</sub>:  
30 469.1624, found: 469.1528;

#### Example CLXV

Preparation of 3-(4-methoxyphenyl)-5-(2-(2-  
aminobenzoyl)hydrazinecarboxamido)indeno[1,2-c]pyrazol-4-one

35 Prepared in a similar fashion as described for example  
CLVIII using 2-aminophenyl carbazate as the starting

5 material. mp 257 °C; CIMS m/e calc'd for C<sub>25</sub>H<sub>21</sub>N<sub>6</sub>O<sub>4</sub>:  
469.1624, found: 469.1548;

#### Example CLXVI

Preparation of 3-(4-methoxyphenyl)-5-(2-(4-N,N-dimethylamino  
10 benzoyl)hydrazinecarboxamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
CLVIII using 4-N,N-dimethylaminophenyl carbazate as the  
starting material. mp 259 °C; CIMS m/e calc'd for  
C<sub>27</sub>H<sub>25</sub>N<sub>6</sub>O<sub>4</sub>: 497.1937, found: 497.1876;

15

#### Example CLXVII

Preparation of 3-(4-methoxyphenyl)-5-(2-phenethylacetyl  
hydrazinecarboxamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
20 CLVIII using benzyl carbazate as the starting material. mp  
269 °C; CIMS m/e calc'd for C<sub>26</sub>H<sub>22</sub>N<sub>5</sub>O<sub>4</sub>: 468.1672, found:  
468.1313;

#### Example CLXVIII

25 Preparation of 3-(4-methoxyphenyl)-5-(2-(2-hydroxy  
benzoyl)hydrazinecarboxamido)indeno[1,2-c]pyrazol-4-one

Prepared in a similar fashion as described for example  
CLVIII using 2-hydroxyphenyl carbazate as the starting  
material. mp 280 °C; CIMS m/e calc'd for C<sub>25</sub>H<sub>20</sub>N<sub>5</sub>O<sub>5</sub>:  
30 470.1464, found: 470.1419;

#### Example CLXIX

Preparation of 3-(4-methoxyphenyl)-5-(2-methoxycarbonyl  
hydrazinecarboxamido)indeno[1,2-c]pyrazol-4-one

35 Prepared in a similar fashion as described for example  
CLVIII using carbazic acid methyl ester as the starting

5 material. mp >300 °C; CIMS m/e calc'd for C<sub>20</sub>H<sub>28</sub>N<sub>5</sub>O<sub>5</sub>:  
408.1308, found: 408.1397;

#### EXAMPLE CLXX

##### Preparation of Intermediate CLXX

10 The preparation of intermediate CLXX, (N-[2-(4-Methoxy-  
benzoyl)-1,3-dioxo-indan-4-yl]-acetamide) is described in  
Nugiel, D.A.; Etzkorn, A.M.; Vidwans, A.; Benfield, P.A.;  
Boisclair, M.; Burton, C.R.; Cox, S.; Czerniak, P.M.;  
Doleniak, D.; Seitz, S.P. J. Med. Chem. 2001, 44, 1334-1336  
15 which is herein incorporated by reference in it's entirety  
as though set forth in full.

#### EXAMPLE CLXXI

##### Preparation of Intermediate CLXXI

20 Synthesis of 4-Amino-2-(4-methoxy-benzoyl)-indan-1,3-  
dione: The compound prepared in example 1 (2.0 g, 5.93 mmol)  
is dissolved in 20% HCl in methanol (50 mL). This solution  
is stirred at reflux for a period of 3 h. It is then allowed  
to cool to room temperature and stirred overnight. The  
25 product is filtered off, washed with ethanol (20 mL) and air  
dried to give the product as a yellow solid (1.5 g, 85.7%).  
mp 268-269 °C; <sup>1</sup>H NMR (DMSO-d<sub>6</sub>) δ 8.17 (d, J = 8.8 Hz, 2H),  
7.49 (t, 1H), 7.12 (d, J = 8.7 Hz, 2H), 6.98 (m, 2H), 3.88  
(s, 1H).

30

#### EXAMPLE CLXXII

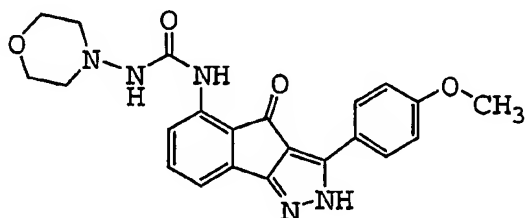
##### Preparation of Intermediate CLXXII

Synthesis of [2-(4-Methoxybenzoyl)-1,3-dioxo-indan-4-  
yl]-carbamic acid phenyl ester: The product prepared in  
35 Example CLXXI (1.5 g, 5.08 mmol) is dissolved in acetone (40  
mL) and treated with sodium carbonate (1.26 g, 15.24 mmol)

5 and phenyl chloroformate (1.19 g, 7.62 mmol). The suspension is stirred at 50 °C for 3 h. The reaction mixture is diluted with water (120 mL), and extracted with ethyl acetate (2 x 100 mL). The organic layer is separated, washed with brine (50 mL), dried (Na<sub>2</sub>SO<sub>4</sub>) and the solvent removed at reduced  
10 pressure to give a gummy orange residue. Cold ethyl ether (100 mL) is added to this residue to give a precipitate. The precipitate is collected and washed with ethyl ether (2 x 10 mL) to give desired product as a yellow solid (1.65 g, 78%). mp 256-258 °C; <sup>1</sup>HNMR (DMSO-d<sub>6</sub>) δ 10.83 (s, 1H), 8.08 (d, J =  
15 8.0 Hz, 1H), 7.57 (d, J = 2.9 Hz, 2H), 7.54 (m, 3H), 7.28 (m, 3H), 7.09 (t, 1H), 6.89 (d, J = 10.8 Hz, 2H), 3.81 (s, 3H) .

## EXAMPLE CLXXIII

20 Preparation of 1-[3-(4-methoxy-phenyl)-4-oxo-2,4-dihydro-indeno[1,2-c]pyrazol-5-yl]-3-morpholin-4-yl-urea



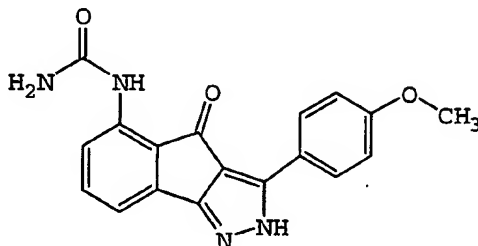
25 The product prepared in Example CLXXII (0.03 g, 0.072 mmol) in anhydrous DMSO (2 mL) is treated with 4-aminomorpholine (0.0084g, 0.082 mmol) and 4-dimethylaminopyridine (0.005 g, 0.04 mmol) and heated to 80 °C for 3h. The solvent is removed under reduced pressure and  
30 the residue triturated with ethanol to give a dark solid. The solid is collected and washed with ethanol (5 mL) to give a tricarbonyl urea (0.03 g, 100%). The tricarbonyl urea

5 intermediate (0.03 g, 0.078 mmol) is treated with hydrazine hydrate (0.1 mL, 3.21 mmol) and p-toluenesulfonic acid monohydrate (0.01 g, 0.05 mmol) in refluxing ethanol (4 mL) for a period of 3 h. The reaction mixture is cooled to room temperature, the solid collected, washed with cold ethanol  
10 (2 x 2 mL), and air dried to give the product as a yellowish solid (0.012 g, 41.3%). mp 290-291 °C; <sup>1</sup>H NMR (DMSO-d<sub>6</sub>) δ 8.27 (d, J = 6.8 Hz, 2H), 8.16 (d, J = 8.8 Hz, 2H), 7.42 (m, 1H), 7.12 (m, 3H), 3.81 (s, 3H), 2.90 (s, 4H), 2.70 (s, 4H), HRMS calcd. for C<sub>22</sub>H<sub>22</sub>N<sub>5</sub>O<sub>4</sub> (M+H<sup>+</sup>) 420.1672; found 420.1688;

15

## EXAMPLE CLXXIV

Preparation of [3-(4-methoxy-phenyl)-4-oxo-2,4-dihydro-indeno[1,2-c]pyrazol-5-yl]-urea



20

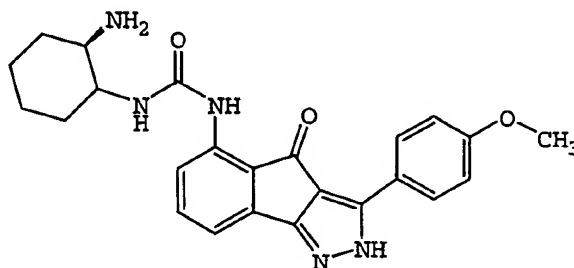
The product prepared in Example CLXXII (0.03 g, 0.072 mmol) in anhydrous DMSO (2 mL) is treated with excess ammonium hydroxide solution and 4-dimethylaminopyridine  
25 (0.005 g, 0.04 mmol) and is heated to 80 °C for 3 h. The solvent is removed under reduced pressure and the residue triturated with ethanol to give a dark solid. The solid is collected and washed with ethanol (5 mL) to give urea (0.03 g, 100%). The tricarbonyl urea intermediate (0.03 g, 0.078  
30 mmol) is treated with hydrazine hydrate (0.1 mL, 3.21 mmol) and p-toluenesulfonic acid monohydrate (0.01 g, 0.05 mmol) in refluxing ethanol (4 mL) for a period of 3 h. The



5 reaction mixture is cooled to room temperature, the solid collected, washed with cold ethanol (2 x 2 mL), and air dried to give the product as a yellowish solid (0.018 g, 62.4%). mp 267-269 °C; <sup>1</sup>H NMR (DMSO-d<sub>6</sub>) δ 9.35 (s, 1H), 8.22 (m, 3H), 7.38 (m, 1H), 7.10 (d, J = 8.8 Hz, 2H), 7.02 (d, J = 7 Hz, 1H), 3.81 (s, 3H); HRMS calcd. for C<sub>18</sub>H<sub>15</sub>N<sub>4</sub>O<sub>3</sub> (M+H<sup>+</sup>) 335.1144; found 335.1162;

## EXAMPLE CLXXV

Preparation of 1-(2-amino-cyclohexyl)-3-[3-(4-methoxy-phenyl)-4-oxo-2,4-dihydro-indeno[1,2-c]pyrazol-5-yl]-urea



The product prepared in Example CLXXII (0.03 g, 0.072 mmol) in anhydrous DMSO (2 mL) is treated with 1,2-diaminocyclohexane (0.01g, 0.082 mmol) and 4-dimethylaminopyridine (0.005 g, 0.04 mmol) and heated to 80 °C for 3h. The solvent is removed under reduced pressure and the residue triturated with ethanol to give a dark solid.

25 The solid is collected and washed with ethanol (5 mL) to give a tricarbonyl urea (0.03 g, 100%). The tricarbonyl urea intermediate (0.03 g, 0.078 mmol) is treated with hydrazine hydrate (0.1 mL, 3.21 mmol) and p-toluenesulfonic acid monohydrate (0.01 g, 0.05 mmol) in refluxing ethanol (4 mL)

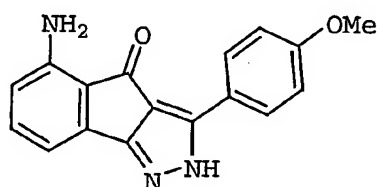
30 for a period of 3 h. The reaction mixture is cooled to room temperature, the solid collected, washed with cold ethanol

5 (2 x 2 mL), and air dried to give the product as a yellowish solid (0.01 g, 30.6%). <sup>1</sup>HNMR (DMSO-d<sub>6</sub>) δ 9.56 (s, 1H), 8.27 (d, 1H), 8.19 (d, 2H), 7.41 (t, 1H), 7.10 (m, 3H), 4.10 (s, 1H), 3.81 (s, 3H), 3.23 (s, 1H), 1.63 (m, 5H), 1.40 (m, 3H).

10

## EXAMPLE CLXXVI

Preparation of 5-Amino-3-(4-methoxyphenyl)-2-phenyl-2H-indeno-[1,2-c]pyrazol-4-one:



15

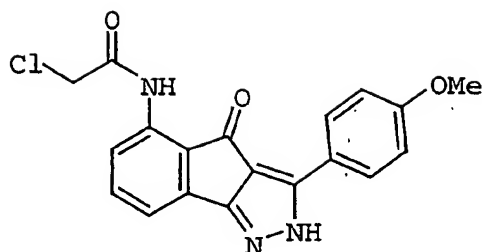
A suspension of N-[3-(4-Methoxy-phenyl)-4-oxo-2,4-dihydro-indeno[1,2-c]pyrazol-5-yl]-acetamide (as produced according to Nugiel, D.A.; Etzkorn, A.M.; Vidwans, A.; Benfield, P.A.; Boisclair, M.; Burton, C.R.; Cox, S.; Czerniak, P.M.; Doleniak, D.; Seitz, S.P. J. Med. Chem. 2001, 44, 1334-1336) (1.0 g, 3.0 mmol) in MeOH (10 mL) was treated with concentrated HCl (1 mL) and heated to reflux. After stirring the mixture for 2 h the reaction was cooled and the product was collected by filtration and obtained as a greenish solid (0.7 g, 81%). mp 273 °C; NMR (DMSO-d<sub>6</sub>) δ 13.6 (bs, 1 H), 8.3 (d, J = 8.4 Hz, 1 H), 8.1 (d, J = 8.8 Hz, 2 H), 7.5 (t, J = 7.7 Hz 1 H), 7.2 (d, J = 7.0 Hz, 1 H), 7.1 (d, J = 8.8 Hz, 2 H), 3.8 (s, 3 H); HRMS m/e calc'd for C<sub>17</sub>H<sub>14</sub>N<sub>3</sub>O<sub>2</sub> (M + H): 292.1086, found: 292.1080.

30

## EXAMPLE CLXXVII

Preparation of 2-Chloro-N-[3-(4-methoxyphenyl)-4-oxo-2,4-dihydro-indeno[1,2-c]pyrazol-5-yl]-acetamide:

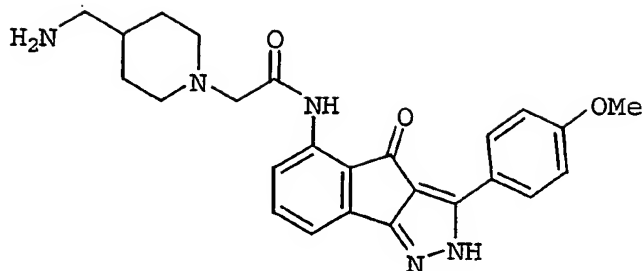
5



A suspension of the product prepared in Example CLXXVI (0.2 g, 0.7 mmol) in dioxane (10 mL) was treated with aqueous saturated NaHCO<sub>3</sub> (3 mL) and chloroacetyl chloride (3 mL, 0.21 mmol). The reaction was heated to 50°C and stirred for 2 h. The reaction is then cooled, poured into water (20 mL), extracted with EtOAc (100 mL), the organic layer separated, dried (MgSO<sub>4</sub>) and the solvent removed at reduced pressure. The residue is recrystallized from EtOH to give the product as a yellow solid (0.09 g, 35%). mp >300 °C; NMR (DMSO-d<sub>6</sub>) δ 13.6 (bs, 1 H), 11.3 (s, 1 H), 8.3 (d, J = 8.4 Hz, 1 H), 8.1 (d, J = 8.8 Hz, 2 H), 7.5 (t, J = 7.7 Hz 1 H), 7.2 (d, J = 7.0 Hz, 1 H), 7.1 (d, J = 8.8 Hz, 2 H), 4.5 (s, 2 H), 3.8 (s, 3 H); HRMS m/e calc'd for C<sub>19</sub>H<sub>15</sub>N<sub>3</sub>O<sub>3</sub>Cl (M + H): 368.0802, found: 368.0818.

## EXAMPLE CLXXVIII

Preparation of 2-(4-aminomethyl-piperidin-1-yl)-N-[3-(4-methoxy-phenyl)-4-oxo-2,4-dihydro-indeno[1,2-c]pyrazol-5-yl]-acetamide



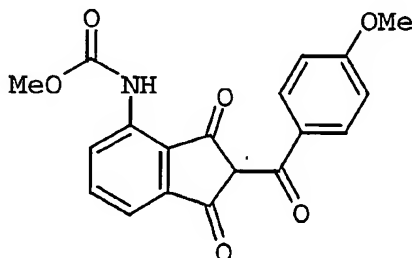
5

A suspension of product prepared according to Example CLXXVII (0.015 g, 0.04 mmol) in EtOH (1 mL) is treated with 4-aminomethylpiperidine (0.75 mL), placed in a sealed tube and heated to 80 °C for 3 h. The reaction is cooled and the solvent removed at reduced pressure. The residue is recrystallized from EtOH to give the product as a yellow solid (0.009 g, 62%). mp >300 °C; NMR (DMSO-d<sub>6</sub>) δ 13.6 (bs, 1 H), 11.3 (s, 1 H), 8.35 (d, J = 8.4 Hz, 1 H), 8.1 (d, J = 8.8 Hz, 2 H), 7.5 (t, J = 7.7 Hz, 1 H), 7.2 (d, J = 7.0 Hz, 1 H), 7.1 (d, J = 8.8 Hz, 2 H), 3.8 (s, 3 H), 3.2 (bs, 2 H), 2.9 (bs, 2 H), 2.5 (d, J = 8.0 Hz, 2 H), 2.2 (t, J = 8.0 Hz, 2 H), 1.6 (m, 5 H); HRMS m/e calc'd for C<sub>25</sub>H<sub>28</sub>N<sub>5</sub>O<sub>3</sub> (M + H): 446.2192, found: 446.2169; Anal. (C<sub>25</sub>H<sub>27</sub>N<sub>5</sub>O<sub>3</sub>) C, H, N.

20

## EXAMPLE CLXXIX

Preparation of 2-(4-Methoxybenzoyl)-3-methoxycarbonylamino-indan-1,3-dione:



25

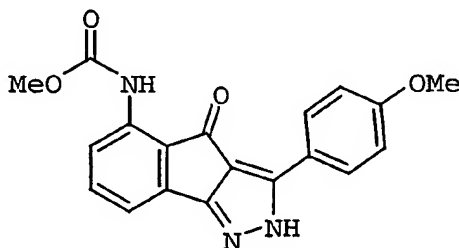
A solution of 3-methoxycarbonylamino-phthalic acid dimethyl ester (1 g, 4.8 mmol) and 4-methoxyacetophenone

5 (0.72 g, 4.8 mmol) in dry DMF (3 mL) was heated to 90 °C. Sodium hydride (0.21 g, 60% suspension in oil, 5.2 mmol) is added in one portion and the exothermic reaction turns deep red. After 20 min, the reaction is cooled to room temperature, diluted with water (25 mL) extracted with EtOAc  
10 (10 mL) and the aqueous phase separated. The aqueous phase is acidified to pH 2 with 2N HCl and the crude product collected. Recrystallization with ethanol gives the desired product as a yellow solid (0.4 g, 30%). ESIMS 352 (M - H, 100%).

15

## EXAMPLE CLXXX

Preparation of 3-(4-Methoxyphenyl)-5-methoxycarbonylamino-2H-indeno-[1,2-c]pyrazol-4-one:



20

A solution of 2-(4-methoxybenzoyl)-3-methoxycarbonylamino-indan-1,3-dione (0.2 g, 0.6 mmol) in EtOH (5 mL) is treated with hydrazine hydrate (0.1 mL, 1.8  
25 mmol) and p-TsOH (3 mg). The reaction is heated to reflux and stirred for 2 h. The reaction is cooled to room temperature and the product crystallized from the reaction mixture. The product is collected by filtration as a yellow solid (0.1 g, 50%). mp >300 °C; HRMS m/e calc'd for C<sub>19</sub>H<sub>16</sub>N<sub>3</sub>O<sub>4</sub>  
30 (M + H): 350.1141, found: 350.1168.

## UTILITY

5        Inhibition of Kinase/Cyclin Complex Enzymatic Activity

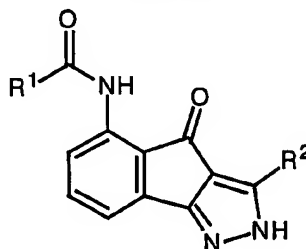
Several of the compounds disclosed in this invention were assayed for their inhibitory activity against cdk4/D1 and cdk2/E kinase complexes. Briefly, the in vitro assays employ cell lysates from insect cells expressing either of  
10 the kinases and subsequently their corresponding regulatory units. The cdk2/cyclinE is purified from insect cells expressing His-tagged cdk2 and cyclin E. The cdk/cyclin lysate is combined in a microtitre-type plate along with a kinase compatible buffer, <sup>32</sup>P-labeled ATP at a concentration  
15 of 50 mM, a GST-Rb fusion protein and the test compound at varying concentrations. The kinase reaction is allowed to proceed with the radiolabeled ATP, then effectively stopped by the addition of a large excess of EDTA and unlabeled ATP. The GST-Rb labeled protein is sequestered on a GSH-Sepharose  
20 bead suspension, washed, resuspended in scintillant, and the <sup>32</sup>P activity detected in a scintillation counter. The compound concentration which inhibits 50% of the kinase activity was calculated for each compound. A compound was considered active if its IC<sub>50</sub> was found to be less than 1  
25 μM.

Inhibition of HCT 116 Cancer Cell Proliferation

To test the cellular activity of several compounds disclosed in this invention, we examined the effect of these  
30 compounds on cultured HCT116 cells and determined their effect on cell-cycle progression by the colorimetric cytotoxicity test using sulforhodamine B (Skehan et al. J. Natl. Cancer Inst. 82:1107-12, 1990). Briefly, HCT116 cells are cultured in the presence of test compounds at increasing  
35 concentrations. At selected time points, groups of cells are fixed with trichloroacetic acid and stained with

- 5 sulforhodamine B (SRB). Unbound dye was removed by washing and protein-bound dye was extracted for determination of optical density. A compound was considered active if its IC<sub>50</sub> was found to be less than 10  $\mu$ M.

10

Table 1

Example #	R <sup>1</sup>	R <sup>2</sup>	mass (M <sup>+</sup> H)	mp (°C)
I	Methyl	4-MeOC <sub>6</sub> H <sub>4</sub>	334	268
II	ClCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	382	274
III	Cyclopropyl	4-MeOC <sub>6</sub> H <sub>4</sub>	360	289
IV	Isopropyl	4-MeOC <sub>6</sub> H <sub>4</sub>	362	288
V	Ethyl	4-MeOC <sub>6</sub> H <sub>4</sub>	348	287
VI	Cyclopentyl	4-MeOC <sub>6</sub> H <sub>4</sub>	388	267
VII	Cyclobutyl	4-MeOC <sub>6</sub> H <sub>4</sub>	374	297
VIII	Benzyl	4-MeOC <sub>6</sub> H <sub>4</sub>	410	280
IX	n-propyl	4-MeOC <sub>6</sub> H <sub>4</sub>	362	282
X	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	444	238
XI	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	440	>300
XII	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	440	280
XIII	3,4-diMeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	470	>300
XIV	2,5-diMeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	470	226

XV	Methyl	2-MeOC <sub>6</sub> H <sub>4</sub>	334	276
XVI	Methyl	3,4-diMeOC <sub>6</sub> H <sub>4</sub>	364	>300
XVII	3,4-(OCH <sub>2</sub> O)C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	454	297
XVIII	3-thiophenylCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	416	293
XIX	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	440	255
XX	3,4-diClOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	479	299
XXI	2,4-diClOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	479	286
XXII	2-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	444	300
XXIII	H <sub>2</sub> NCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	349	>300
XXIV	HOCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	393	243
XXV	Me <sub>2</sub> NCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	377	279
XXVI	piperazinylCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	418	277
XXVII	4-Me-piperazinylCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	432	>300
XXVIII	4-HOCH <sub>2</sub> CH <sub>2</sub> - piperazinylCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	462	>300
XXIX	piperidinylCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	417	291
XXX	4-NH <sub>2</sub> CH <sub>2</sub> - piperidinylCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	446	>300
XXXI	CH <sub>3</sub> CH <sub>2</sub> NHCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	377	250
XXXII	ThiomorpholinylCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	435	298
XXXIII	morpholinylCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	419	295
XXXIV	pyrrolidinylCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	403	279
XXXV	4-pyridylCH <sub>2</sub> NHCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	440	>300
XXXVI	4-CH <sub>3</sub> CONHC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	467	268
XXXVII	4-CH <sub>3</sub> OCONHC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	483	257
XXXVIII	4-NH <sub>2</sub> CH <sub>2</sub> CONHC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	482	228
XXXIX	4-Me <sub>2</sub> NCH <sub>2</sub> CONHC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	510	>300
XL	4-N <sub>3</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	451	>300



XL I	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	425	283
XLII	C <sub>6</sub> H <sub>5</sub> NH	4-MeOC <sub>6</sub> H <sub>4</sub>	411	>300
XLIII	CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> NH	4-MeOC <sub>6</sub> H <sub>4</sub>	377	252
XLIV	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub> NH	4-MeOC <sub>6</sub> H <sub>4</sub>	440	>300
XLV	4-pyridylCH <sub>2</sub> NH	4-MeOC <sub>6</sub> H <sub>4</sub>	426	>300
XLVI	Methyl	4-HOC <sub>6</sub> H <sub>4</sub>	320	>300
XLVII	H	4-MeOC <sub>6</sub> H <sub>4</sub>	320	280
XLVIII	Methyl	3-pyridyl	305	>300
XLIX	Methyl	4-pyridyl	305	>300
L	H	4-pyridyl	291	>300
LI	Methyl	C <sub>6</sub> H <sub>5</sub>	305	>300
LII	Methyl	4-MeSC <sub>6</sub> H <sub>4</sub>	351	283
LIII	Methyl	4-MeSO <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	383	>300
LVI	Methyl	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>	348	>300
LV	morpholinylCH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>	432	>300
LVI	Me <sub>2</sub> NCH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>	390	>300
LVII	Methyl	4-(piperdiny)C <sub>6</sub> H <sub>4</sub>	388	291
LVIII	Methyl	4-(morpholinyl)C <sub>6</sub> H <sub>4</sub>	389	>300
LIX	Methyl	4-CH <sub>3</sub> CH <sub>2</sub> OC <sub>6</sub> H <sub>4</sub>	349	288
LX	Methyl	4-CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	361	259
LXI	Methyl	4-CH <sub>3</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	332	294
LXII	Methyl	4-CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	347	269
LXIII	NH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	335	>300
LXIV	Me <sub>2</sub> NNH	4-MeOC <sub>6</sub> H <sub>4</sub>	378	>300
LXV	MeNH	4-MeOC <sub>6</sub> H <sub>4</sub>	349	>300
LXVI	MorpholinylNH	4-MeOC <sub>6</sub> H <sub>4</sub>	420	>300

LXVII	cis-1,2- diaminocyclohexanyl	4-MeOC <sub>6</sub> H <sub>4</sub>	432	>300
LXVIII	4- methylnpiperazinylnH	4-MeOC <sub>6</sub> H <sub>4</sub>	433	>300
LXVIX	4- uridomethylpiperadin ylCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	489	>300
LXX	4-(2- pyridyl)piperazinyln CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	495	>300
LXXI	4- (aminoethyl)piperazi nyln CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	461	>300
LXXII	4-amidopiperidinylCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	460	>300
LXXIII	4- hydroxypiperidinylCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	433	>300
LXXIV	4- hydroxymethylpiperid inylCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	447	>300
LXXV	4-amidopiperazinylnCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	493	>300
LXXVI	4- dimethylaminopiperad inylCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	492	>300
LXXVII	4-aminopiperadinylCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>	464	>300
LXXVIII	4-Me-piperazinylnCH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>	445	>300
LXXIX	4-NH <sub>2</sub> CH <sub>2</sub> - piperidinylCH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>	459	NA
LXXX	4-OH-piperidinylCH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>	446	267
LXXXI	morpholinylCH <sub>2</sub>	4- (morpholinyl)C <sub>6</sub> H <sub>4</sub>	474	258

LXXXII	4-Me-piperazinylCH <sub>2</sub>	4-	487	258
		(morpholinyl)C <sub>6</sub> H <sub>4</sub>		
LXXXIII	4-OH-piperidinylCH <sub>2</sub>	4-	488	245
		(morpholinyl)C <sub>6</sub> H <sub>4</sub>		
LXXXIV	4-NH <sub>2</sub> CH <sub>2</sub> - piperidinylCH <sub>2</sub>	4-	501	240
		(morpholinyl)C <sub>6</sub> H <sub>4</sub>		
LXXXV	4-Me-piperazinylNH	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>	446	>300
LXXXVI	Methyl	i-propyl	270	>250
LXXXVII	Methyl	c-propyl	268	220
LXXXVIII	Methyl	t-butyl	284	>250
LXXXIX	Methyl	2-thienyl	310	269
XC	Methyl	3-Me-2-thienyl	324	275
XCI	NH <sub>2</sub>	Ethyl	257	>250
XCII	NH <sub>2</sub>	n-propyl	271	187
XCIII	NH <sub>2</sub>	i-propyl	271	>250
XCTV	NH <sub>2</sub>	c-propyl	267	252
		(M-H)		
XCV	NH <sub>2</sub>	c-hexyl	311	178
XCVI	NH <sub>2</sub>	2-thienyl	310	214
		(M+)		
XCVII	NH <sub>2</sub>	3-Me-2-thienyl	325	270
XCVIII	NH <sub>2</sub>	5-Me-2-thienyl	325	>280
XCIX	NH <sub>2</sub>	5-CO <sub>2</sub> Et-2-thienyl	383	>280
C	NH <sub>2</sub>	3-thienyl	311	>280
CI	NH <sub>2</sub>	5-Cl-3-thienyl	345	>300
CII	NH <sub>2</sub>	2,5-diMe-3-thienyl	339	>280
CIII	NH <sub>2</sub>	2-furanyl	295	278
CIV	Me <sub>2</sub> NNH	i-propyl	314	231
CV	Me <sub>2</sub> NNH	c-propyl	312	
CVI	Me <sub>2</sub> NNH	c-hexyl	354	229

CVII	Me <sub>2</sub> NNH	2-thienyl	354	279
CVIII	Me <sub>2</sub> NNH	5-MeO-2-thienyl	384	1280
CIX	Me <sub>2</sub> NNH	5-Me-2-thienyl	368	>280
CX	Me <sub>2</sub> NNH	5-CO <sub>2</sub> Et-2-thienyl	426	252
CXI	Me <sub>2</sub> NNH	3-thienyl	354	202
CXII	NH <sub>2</sub>	1-methyl-3-pyrrolyl	308	>300
CXIII	Me <sub>2</sub> NNH	2,5-diMe-3-thienyl	382	252
CXIV	Me <sub>2</sub> NNH	2-furanyl	338	202
CXV	4-NH <sub>2</sub> CO-piperidinylCH <sub>2</sub>	i-propyl	396	224
CXVI	4-NH <sub>2</sub> CO-piperidinylCH <sub>2</sub>	c-hexyl	436	228
CXVII	4-NH <sub>2</sub> CH <sub>2</sub> -piperidinylCH <sub>2</sub>	ethyl	368	174
CXVIII	4-NH <sub>2</sub> CH <sub>2</sub> -piperidinylCH <sub>2</sub>	i-propyl	382	218
CXVIX	4-NH <sub>2</sub> CH <sub>2</sub> -piperidinylCH <sub>2</sub>	c-propyl	380	138
CXX	4-NH <sub>2</sub> CH <sub>2</sub> -piperidinylCH <sub>2</sub>	c-hexyl	422	196
CXXI	4-CH <sub>3</sub> -piperazinylNH	i-propyl	369	231
CXXII	4-CH <sub>3</sub> -piperazinylNH	5-CO <sub>2</sub> Et-2-thienyl	481	249
CXXIII	4-CH <sub>3</sub> -piperazinylNH	5-CO <sub>2</sub> H-2-thienyl	453	270
CXXIV	4-CH <sub>3</sub> -piperazinylNH	2,5-diMe-3-thienyl	437	250
CXXV	MorpholinylNH	i-propyl (M-H)	354	256
CXXVI	MorpholinylNH	4-CO <sub>2</sub> Me-piperidinyl	455	216
CXXVII	MorpholinylNH	5-Me-2-thienyl	410	261

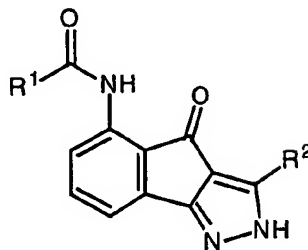
CXXVIII	MorpholinylNH	5-Cl-3-thienyl	430	259
CXXIX	MorpholinylNH	2,5-diMe-3-thienyl	424	>280
CXXX	MorpholinylNH	5-CO <sub>2</sub> Et-2-thienyl	468	258
CXXXI	MorpholinylNH	5-CO <sub>2</sub> H-2-thienyl	440	273
CXXXII	MorpholinylNH	5-CONHBn-2-thienyl	529	275
CXXXIII	MorpholinylNH	5-CONH(4-Me- piperazinyl)-2- thienyl	537	190
CXXXIV	MorpholinylNH	5-CONHCH <sub>2</sub> CH <sub>2</sub> (1-Me- 2-pyrrolidinyl)-2- thienyl	550	235
CXXXV	MorpholinylNH	5-CONHNMe <sub>2</sub> -2- thienyl	482	201
CXXXVI	MorpholinylNH	5-CONHCH <sub>2</sub> CH <sub>2</sub> NMe <sub>2</sub> - 2-thienyl	510	190
CXXXVII	MorpholinylNH	5-CONHCH <sub>2</sub> CH <sub>2</sub> (1- pyrrolidinyl)-2- thienyl	536	224
CXXXVIII	MorpholinylNH	5-CONHCH <sub>2</sub> CH <sub>2</sub> (1- morpholinyl)-2- thienyl	552	241
CXXXIX	MorpholinylNH	5-CONHmorpholinyl- 2-thienyl	524	271
CXL	MorpholinylNH	5-CONHCH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> (1- pyrrolidonyl)-2- thienyl	564	260
CXLI	MorpholinylNH	5-CONHCH <sub>2</sub> CH <sub>2</sub> (3- pyridyl)-2-thienyl	544	203
CXLII	MorpholinylNH	5-CONHCH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> (1- imidazolyl)-2- thienyl	547	263

CXLIII	MorpholinylNH	5-CONHCH <sub>2</sub> CH <sub>2</sub> (2-pyridyl)-2-thienyl	544	>280
CXLIV	MorpholinylNH	5-CONHCH <sub>2</sub> (3-pyridyl)-2-thienyl	530	239
CXLV	MorpholinylNH	5-CONHCH <sub>2</sub> CH <sub>2</sub> (1-piperidinyl)-2-thienyl	550	228
CXLVI	Methyl	4-CF <sub>3</sub> C <sub>6</sub> H <sub>4</sub>	370 (M-H)	>300
CXLVII	MorpholinylNH	4-(4-Boc-piperazinyl)C <sub>6</sub> H <sub>4</sub>	574	242
CXLVIII	MorpholinylNH	4-(piperazinyl)C <sub>6</sub> H <sub>4</sub>	474	263
CXLIX	NH <sub>2</sub>	4-(piperazinyl)C <sub>6</sub> H <sub>4</sub>	389	257
CL	NH <sub>2</sub> NH	4-(piperazinyl)C <sub>6</sub> H <sub>4</sub>	404	257
CLI	Me <sub>2</sub> NCH <sub>2</sub>	4-(piperazinyl)C <sub>6</sub> H <sub>4</sub>	431	243
CLII	morpholinylCH <sub>2</sub>	4-(piperazinyl)C <sub>6</sub> H <sub>4</sub>	473	259
CLIII	4-Me-piperazinylCH <sub>2</sub>	4-(piperazinyl)C <sub>6</sub> H <sub>4</sub>	486	NA
CLIV	4-NH <sub>2</sub> CH <sub>2</sub> -piperidinylCH <sub>2</sub>	4-(piperazinyl)C <sub>6</sub> H <sub>4</sub>	500	239
CLV	MorpholinylNH	4-(4-Me-piperazinyl)C <sub>6</sub> H <sub>4</sub>	488	245
CLVI	MorpholinylNH	4-(4-Et-piperazinyl)C <sub>6</sub> H <sub>4</sub>	502	245

CLVII	MorpholinylNH	4-(4-i-Pr-piperazinyl)C <sub>6</sub> H <sub>4</sub>	516	253
CLVIII	C <sub>6</sub> H <sub>5</sub> C(O)NHNH	4-MeOC <sub>6</sub> H <sub>4</sub>	459	>300
CLIX	4-pyridylC(O)NHNH	4-MeOC <sub>6</sub> H <sub>4</sub>	455	248
CLX	3-pyridylC(O)NHNH	4-MeOC <sub>6</sub> H <sub>4</sub>	455	227
CLXI	3,4-dihydroxy-C <sub>6</sub> H <sub>3</sub> C(O)NHNH	4-MeOC <sub>6</sub> H <sub>4</sub>	486	>300
CLXII	4-hydroxy-C <sub>6</sub> H <sub>4</sub> C(O)NHNH	4-MeOC <sub>6</sub> H <sub>4</sub>	470	283
CLXIII	3-amino-C <sub>6</sub> H <sub>4</sub> C(O)NHNH	4-MeOC <sub>6</sub> H <sub>4</sub>	469	250
CLXIV	4-amino-C <sub>6</sub> H <sub>4</sub> C(O)NHNH	4-MeOC <sub>6</sub> H <sub>4</sub>	469	247
CLXV	2-amino-C <sub>6</sub> H <sub>4</sub> C(O)NHNH	4-MeOC <sub>6</sub> H <sub>4</sub>	469	257
CLXVI	4-N,N-dimethylamino-C <sub>6</sub> H <sub>4</sub> C(O)NHNH	4-MeOC <sub>6</sub> H <sub>4</sub>	497	259
CLXVII	C <sub>6</sub> H <sub>5</sub> CH <sub>2</sub> C(O)NHNH	4-MeOC <sub>6</sub> H <sub>4</sub>	468	269
CLXVIII	2-hydroxy-C <sub>6</sub> H <sub>4</sub> C(O)NHNH	4-MeOC <sub>6</sub> H <sub>4</sub>	470	280
CLXIX	MeOC(O)NHNH	4-MeOC <sub>6</sub> H <sub>4</sub>	408	>300

5

Table 2



Example Number	R <sup>1</sup>	R <sup>2</sup>
100	2-pyridylmethyl	4-MeOC <sub>6</sub> H <sub>4</sub>

5	101	2-pyridylmethyl	3-MeOC <sub>6</sub> H <sub>4</sub>
	102	2-pyridylmethyl	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	103	2-pyridylmethyl	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	104	2-pyridylmethyl	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	105	2-pyridylmethyl	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
10	106	2-pyridylmethyl	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	107	2-pyridylmethyl	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	108	2-pyridylmethyl	4-pyridyl
	109	2-pyridylmethyl	3-pyridyl
	110	2-pyridylmethyl	2-pyridyl
15	111	2-pyridylmethyl	2-thiazolyl
	112	2-pyridylmethyl	2-pyrazolyl
	113	2-pyridylmethyl	5-isoquinolyl
	114	2-pyridylmethyl	3,4-methylenedioxyC <sub>6</sub> H <sub>3</sub>
20	115	2-pyridylmethyl	3,4-ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	116	2-pyridylmethyl	2-imidazolyl
	117	2-pyridylmethyl	2-oxazolyl
	118	2-pyridylmethyl	4-isoxazolyl
	119	2-pyridylmethyl	4-HOC <sub>6</sub> H <sub>4</sub>
25	120	2-pyridylmethyl	3-HOC <sub>6</sub> H <sub>4</sub>
	121	2-pyridylmethyl	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	122	2-pyridylmethyl	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	123	2-pyridylmethyl	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	124	3-pyridylmethyl	4-MeOC <sub>6</sub> H <sub>4</sub>
30	125	3-pyridylmethyl	3-MeOC <sub>6</sub> H <sub>4</sub>
	126	3-pyridylmethyl	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	127	3-pyridylmethyl	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	128	3-pyridylmethyl	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>



5	129	3-pyridylmethyl	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	130	3-pyridylmethyl	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	131	3-pyridylmethyl	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	132	3-pyridylmethyl	4-pyridyl
	133	3-pyridylmethyl	3-pyridyl
10	134	3-pyridylmethyl	2-pyridyl
	135	3-pyridylmethyl	2-thiazolyl
	136	3-pyridylmethyl	2-pyrazolyl
	137	3-pyridylmethyl	5-isoquinolyl
	138	3-pyridylmethyl	3,4-
15			methylenedioxyC <sub>6</sub> H <sub>3</sub>
	139	3-pyridylmethyl	3,4-
			ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	140	3-pyridylmethyl	2-imidazolyl
	141	3-pyridylmethyl	2-oxazolyl
20	142	3-pyridylmethyl	4-isoxazolyl
	143	3-pyridylmethyl	4-HOC <sub>6</sub> H <sub>4</sub>
	144	3-pyridylmethyl	3-HOC <sub>6</sub> H <sub>4</sub>
	145	3-pyridylmethyl	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	146	3-pyridylmethyl	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
25	147	3-pyridylmethyl	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	148	4-pyridylmethyl	4-MeOC <sub>6</sub> H <sub>4</sub>
	149	4-pyridylmethyl	3-MeOC <sub>6</sub> H <sub>4</sub>
	150	4-pyridylmethyl	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	151	4-pyridylmethyl	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
30	152	4-pyridylmethyl	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	153	4-pyridylmethyl	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	154	4-pyridylmethyl	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	155	4-pyridylmethyl	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	156	4-pyridylmethyl	4-pyridyl

5	157	4-pyridylmethyl	3-pyridyl
	158	4-pyridylmethyl	2-pyridyl
	159	4-pyridylmethyl	2-thiazolyl
	160	4-pyridylmethyl	2-pyrazolyl
	161	4-pyridylmethyl	5-isoquinolyl
10	162	4-pyridylmethyl	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>
	163	4-pyridylmethyl	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	164	4-pyridylmethyl	2-imidazolyl
15	165	4-pyridylmethyl	2-oxazolyl
	166	4-pyridylmethyl	4-isoxazolyl
	167	4-pyridylmethyl	4-HOC <sub>6</sub> H <sub>4</sub>
	168	4-pyridylmethyl	3-HOC <sub>6</sub> H <sub>4</sub>
	169	4-pyridylmethyl	3,4-diHOC <sub>6</sub> H <sub>4</sub>
20	170	4-pyridylmethyl	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	171	4-pyridylmethyl	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	172	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	173	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	174	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
25	175	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	176	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	177	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	178	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	179	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
30	180	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
	181	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
	182	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
	183	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
	184	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl

5	185	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
	186	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>
	187	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
10	188	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
	189	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
	190	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
	191	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	192	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
15	193	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	194	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	195	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	196	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	197	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
20	198	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	199	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	200	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	201	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	202	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
25	203	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
	204	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
	205	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
	206	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
	207	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
30	208	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
	209	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>

5	210	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	211	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
	212	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
	213	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
10	214	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	215	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	216	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	217	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	218	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
15	219	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	220	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	221	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	222	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	223	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
20	224	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	225	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	226	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
	227	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
	228	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
25	229	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
	230	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
	231	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
	232	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>
30	233	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	234	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
	235	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl

5	236	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
	237	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	238	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	239	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-dihOC <sub>6</sub> H <sub>4</sub>
	240	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
10	241	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	242	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	243	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	244	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	245	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
15	246	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	247	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	248	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	249	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
	250	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
20	251	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
	252	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
	253	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
	254	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
	255	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-
25			methylenedioxyC <sub>6</sub> H <sub>3</sub>
	256	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-
			ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	257	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
	258	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
30	259	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
	260	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	261	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	262	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-dihOC <sub>6</sub> H <sub>4</sub>

5	263	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	264	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	265	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	266	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	267	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
10	268	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	269	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	270	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	271	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	272	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
15	273	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
	274	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
	275	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
	276	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
	277	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
20	278	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>
	279	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	280	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
25	281	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
	282	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
	283	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	284	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	285	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
30	286	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	287	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	288	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	289	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>

5	290	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	291	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	292	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	293	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	294	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
10	295	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
	296	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
	297	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
	298	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
	299	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
15	300	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
	301	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-methylenedioxyC <sub>6</sub> H <sub>3</sub>
	302	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	303	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
20	304	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
	305	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
	306	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	307	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	308	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-dihOC <sub>6</sub> H <sub>4</sub>
25	309	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	310	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	311	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	312	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	313	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
30	314	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	315	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	316	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>

5	317	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	318	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	319	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
	320	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
	321	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
10	322	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
	323	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
	324	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
	325	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>
15	326	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	327	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
	328	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
	329	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
20	330	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	331	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	332	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	333	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	334	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
25	335	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	336	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	337	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	338	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	339	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
30	340	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	341	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	342	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	343	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl



5	344	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
	345	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
	346	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
	347	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
	348	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
10	349	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>
	350	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	351	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
15	352	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
	353	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
	354	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	355	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	356	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-dihOC <sub>6</sub> H <sub>4</sub>
20	357	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	358	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	359	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	360	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	361	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
25	362	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	363	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	364	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	365	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	366	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
30	367	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
	368	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
	369	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
	370	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl

5	371	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
	372	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
	373	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>
10	374	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub> .
	375	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
	376	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
	377	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
	378	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
15	379	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	380	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	381	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	382	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	383	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
20	384	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	385	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	386	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	387	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	388	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
25	389	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	390	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
	391	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
	392	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
	393	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
30	394	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
	395	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
	396	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>

5	397	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	398	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
	399	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
	400	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
10	401	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	402	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	403	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	404	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	405	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
15	406	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	407	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	408	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	409	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	410	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
20	411	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	412	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	413	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	414	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
	415	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
25	416	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
	417	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
	418	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
	419	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
	420	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>
30			
	421	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	422	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl

5	423	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
	424	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
	425	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	426	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	427	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
10	428	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	429	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	430	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	431	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	432	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
15	433	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	434	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	435	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	436	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	437	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
20	438	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
	439	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
	440	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
	441	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
	442	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
25	443	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
	444	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-methylenedioxyC <sub>6</sub> H <sub>3</sub>
	445	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-ethylenedioxyC <sub>6</sub> H <sub>3</sub>
30	446	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
	447	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
	448	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
	449	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>

5	450	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	451	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	452	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	453	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	454	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
10	455	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	456	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	457	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	458	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	459	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
15	460	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	461	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	462	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
	463	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
	464	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
20	465	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
	466	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
	467	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
	468	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-methylenedioxyC <sub>6</sub> H <sub>3</sub>
25	469	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	470	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
	471	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
	472	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
30	473	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	474	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	475	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	476	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>

5	477	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	478	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	479	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	480	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	481	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
10	482	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	483	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	484	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	485	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	486	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
	487	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
15	488	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
	489	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
	490	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
	491	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
	492	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-
20			methylenedioxyC <sub>6</sub> H <sub>3</sub>
	493	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-
			ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	494	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
	495	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
25	496	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
	497	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	498	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	499	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	500	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
30	501	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	502	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	503	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>

5	504	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	505	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	506	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	507	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	508	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
10	509	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	510	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
	511	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
	512	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
	513	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
15	514	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
	515	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
	516	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-methylenedioxyC <sub>6</sub> H <sub>3</sub>
	517	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	518	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
20	519	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
	520	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
	521	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	522	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	523	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-dihOC <sub>6</sub> H <sub>4</sub>
25	524	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	525	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	526	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	527	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	528	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
30	529	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	530	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>

5	531	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	532	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	533	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	534	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
	535	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
10	536	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
	537	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
	538	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
	539	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
	540	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-
15			methylenedioxyC <sub>6</sub> H <sub>3</sub>
	541	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-
			ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	542	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
	543	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
20	545	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
	546	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	547	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	548	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	549	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
25	550	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	551	H	3-MeOC <sub>6</sub> H <sub>4</sub>
	552	H	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	553	H	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	554	H	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
30	555	H	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	556	H	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	557	H	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	558	H	3-pyridyl



5	559	H	2-pyridyl
	560	H	2-thiazolyl
	561	H	2-pyrazolyl
	562	H	5-isoquinolyl
	563	H	3,4-
10			methylenedioxyC <sub>6</sub> H <sub>3</sub>
	564	H	3,4-
			ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	565	H	2-imidazolyl
	566	H	2-oxazolyl
15	567	H	4-isoxazolyl
	568	H	4-HOC <sub>6</sub> H <sub>4</sub>
	569	H	3-HOC <sub>6</sub> H <sub>4</sub>
	570	H	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	571	H	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
20	572	H	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	573	Me	3-MeOC <sub>6</sub> H <sub>4</sub>
	574	Me	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	575	Me	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	576	Me	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
25	577	Me	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	578	Me	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	579	Me	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	580	Me	3-pyridyl
	581	Me	2-pyridyl
30	582	Me	2-thiazolyl
	583	Me	2-pyrazolyl
	584	Me	5-isoquinolyl
	585	Me	3,4-
			ethylenedioxyC <sub>6</sub> H <sub>3</sub>
35	586	Me	2-imidazolyl

5	587	Me	2-oxazolyl
	588	Me	4-isoxazolyl
	589	Me	3-HOC <sub>6</sub> H <sub>4</sub>
	590	Me	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	591	Me	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
10	592	Me	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	593	Et	3-MeOC <sub>6</sub> H <sub>4</sub>
	594	Et	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	595	Et	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	596	Et	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
15	597	Et	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	598	Et	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	599	Et	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	600	Et	4-pyridyl
	601	Et	3-pyridyl
20	601	Et	2-pyridyl
	603	Et	2-thiazolyl
	604	Et	2-pyrazolyl
	605	Et	5-isoquinolyl
	606	Et	3,4-
25			methylenedioxyC <sub>6</sub> H <sub>3</sub>
	607	Et	3,4-
			ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	608	Et	2-imidazolyl
	609	Et	2-oxazolyl
30	610	Et	4-isoxazolyl
	611	Et	4-HOC <sub>6</sub> H <sub>4</sub>
	612	Et	3-HOC <sub>6</sub> H <sub>4</sub>
	613	Et	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	614	Et	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>

5	615	Et	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	616	Me <sub>2</sub> NCH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	617	Me <sub>2</sub> NCH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	618	Me <sub>2</sub> NCH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	619	Me <sub>2</sub> NCH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
10	620	Me <sub>2</sub> NCH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	621	Me <sub>2</sub> NCH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	622	Me <sub>2</sub> NCH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	623	Me <sub>2</sub> NCH <sub>2</sub>	4-pyridyl
	624	Me <sub>2</sub> NCH <sub>2</sub>	3-pyridyl
15	625	Me <sub>2</sub> NCH <sub>2</sub>	2-pyridyl
	626	Me <sub>2</sub> NCH <sub>2</sub>	2-thiazolyl
	627	Me <sub>2</sub> NCH <sub>2</sub>	2-pyrazolyl
	628	Me <sub>2</sub> NCH <sub>2</sub>	5-isoquinolyl
	629	Me <sub>2</sub> NCH <sub>2</sub>	3,4-
20			methylenedioxyC <sub>6</sub> H <sub>3</sub>
	630	Me <sub>2</sub> NCH <sub>2</sub>	3,4-
			ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	631	Me <sub>2</sub> NCH <sub>2</sub>	2-imidazolyl
	632	Me <sub>2</sub> NCH <sub>2</sub>	2-oxazolyl
25	633	Me <sub>2</sub> NCH <sub>2</sub>	4-isoxazolyl
	634	Me <sub>2</sub> NCH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	635	Me <sub>2</sub> NCH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	636	Me <sub>2</sub> NCH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	637	Me <sub>2</sub> NCH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
30	638	Me <sub>2</sub> NCH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	639	EtNHCH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	640	EtNHCH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	641	EtNHCH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>

5	642	EtNHCH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	643	EtNHCH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	644	EtNHCH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	645	EtNHCH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	646	EtNHCH <sub>2</sub>	4-pyridyl
10	647	EtNHCH <sub>2</sub>	3-pyridyl
	648	EtNHCH <sub>2</sub>	2-pyridyl
	649	EtNHCH <sub>2</sub>	2-thiazolyl
	650	EtNHCH <sub>2</sub>	2-pyrazolyl
	651	EtNHCH <sub>2</sub>	5-isoquinolyl
15	652	EtNHCH <sub>2</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>
	653	EtNHCH <sub>2</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	654	EtNHCH <sub>2</sub>	2-imidazolyl
20	655	EtNHCH <sub>2</sub>	2-oxazolyl
	656	EtNHCH <sub>2</sub>	4-isoxazolyl
	657	EtNHCH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	658	EtNHCH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	659	EtNHCH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
25	660	EtNHCH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	661	EtNHCH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	662	HOCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	663	HOCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	664	HOCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
30	665	HOCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	666	HOCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	667	HOCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	668	HOCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>

5	669	HOCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	4-pyridyl
	670	HOCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	3-pyridyl
	671	HOCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	2-pyridyl
	672	HOCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	2-thiazolyl
	673	HOCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	2-pyrazolyl
10	674	HOCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	5-isoquinolyl
	675	HOCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>
	676	HOCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
15	677	HOCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	2-imidazolyl
	678	HOCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	2-oxazolyl
	679	HOCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	4-isoxazolyl
	680	HOCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	681	HOCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
20	682	HOCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	683	HOCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	684	HOCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	685	H <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	686	H <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
25	687	H <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	688	H <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	689	H <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	690	H <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	691	H <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
30	692	H <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	693	H <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	4-pyridyl
	694	H <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	3-pyridyl
	695	H <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	2-pyridyl

5	696	$\text{H}_2\text{NCH}_2\text{CH}_2\text{NHCH}_2$	2-thiazolyl
	697	$\text{H}_2\text{NCH}_2\text{CH}_2\text{NHCH}_2$	2-pyrazolyl
	698	$\text{H}_2\text{NCH}_2\text{CH}_2\text{NHCH}_2$	5-isoquinolyl
	699	$\text{H}_2\text{NCH}_2\text{CH}_2\text{NHCH}_2$	3,4-methylenedioxyC <sub>6</sub> H <sub>3</sub>
10	700	$\text{H}_2\text{NCH}_2\text{CH}_2\text{NHCH}_2$	3,4-ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	701	$\text{H}_2\text{NCH}_2\text{CH}_2\text{NHCH}_2$	2-imidazolyl
	702	$\text{H}_2\text{NCH}_2\text{CH}_2\text{NHCH}_2$	2-oxazolyl
	703	$\text{H}_2\text{NCH}_2\text{CH}_2\text{NHCH}_2$	4-isoxazolyl
	704	$\text{H}_2\text{NCH}_2\text{CH}_2\text{NHCH}_2$	4-HOC <sub>6</sub> H <sub>4</sub>
15	705	$\text{H}_2\text{NCH}_2\text{CH}_2\text{NHCH}_2$	3-HOC <sub>6</sub> H <sub>4</sub>
	706	$\text{H}_2\text{NCH}_2\text{CH}_2\text{NHCH}_2$	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	707	$\text{H}_2\text{NCH}_2\text{CH}_2\text{NHCH}_2$	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	708	$\text{H}_2\text{NCH}_2\text{CH}_2\text{NHCH}_2$	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	709	$\text{Me}_2\text{NCH}_2\text{CH}_2\text{NHCH}_2$	4-MeOC <sub>6</sub> H <sub>4</sub>
20	710	$\text{Me}_2\text{NCH}_2\text{CH}_2\text{NHCH}_2$	3-MeOC <sub>6</sub> H <sub>4</sub>
	711	$\text{Me}_2\text{NCH}_2\text{CH}_2\text{NHCH}_2$	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	712	$\text{Me}_2\text{NCH}_2\text{CH}_2\text{NHCH}_2$	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	713	$\text{Me}_2\text{NCH}_2\text{CH}_2\text{NHCH}_2$	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	714	$\text{Me}_2\text{NCH}_2\text{CH}_2\text{NHCH}_2$	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
25	715	$\text{Me}_2\text{NCH}_2\text{CH}_2\text{NHCH}_2$	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	716	$\text{Me}_2\text{NCH}_2\text{CH}_2\text{NHCH}_2$	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	717	$\text{Me}_2\text{NCH}_2\text{CH}_2\text{NHCH}_2$	4-pyridyl
	718	$\text{Me}_2\text{NCH}_2\text{CH}_2\text{NHCH}_2$	3-pyridyl
	719	$\text{Me}_2\text{NCH}_2\text{CH}_2\text{NHCH}_2$	2-pyridyl
30	720	$\text{Me}_2\text{NCH}_2\text{CH}_2\text{NHCH}_2$	2-thiazolyl
	721	$\text{Me}_2\text{NCH}_2\text{CH}_2\text{NHCH}_2$	2-pyrazolyl
	722	$\text{Me}_2\text{NCH}_2\text{CH}_2\text{NHCH}_2$	5-isoquinolyl

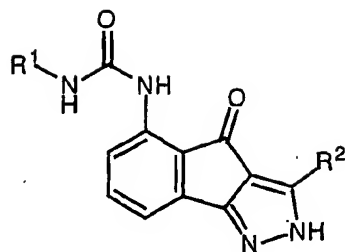
5	723	Me <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>
	724	Me <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	725	Me <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	2-imidazolyl
10	726	Me <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	2-oxazolyl
	727	Me <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	4-isoxazolyl
	728	Me <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	729	Me <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	730	Me <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
15	731	Me <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	732	Me <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	733	1-morpholinylmethyl	3-MeOC <sub>6</sub> H <sub>4</sub>
	734	1-morpholinylmethyl	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	735	1-morpholinylmethyl	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
20	736	1-morpholinylmethyl	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	737	1-morpholinylmethyl	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	738	1-morpholinylmethyl	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	739	1-morpholinylmethyl	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	740	1-morpholinylmethyl	4-pyridyl
25	741	1-morpholinylmethyl	3-pyridyl
	742	1-morpholinylmethyl	2-pyridyl
	743	1-morpholinylmethyl	2-thiazolyl
	744	1-morpholinylmethyl	2-pyrazolyl
	745	1-morpholinylmethyl	5-isoquinolyl
30	746	1-morpholinylmethyl	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>
	747	1-morpholinylmethyl	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	748	1-morpholinylmethyl	2-imidazolyl

5	749	1-morpholinylmethyl	2-oxazolyl
	750	1-morpholinylmethyl	4-isoxazolyl
	751	1-morpholinylmethyl	4-HOC <sub>6</sub> H <sub>4</sub>
	752	1-morpholinylmethyl	3-HOC <sub>6</sub> H <sub>4</sub>
	753	1-morpholinylmethyl	3,4-diHOC <sub>6</sub> H <sub>4</sub>
10	754	1-morpholinylmethyl	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	755	1-morpholinylmethyl	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	756	1-thiomorpholinylmethyl	3-MeOC <sub>6</sub> H <sub>4</sub>
	757	1-thiomorpholinylmethyl	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	758	1-thiomorpholinylmethyl	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
15	759	1-thiomorpholinylmethyl	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	760	1-thiomorpholinylmethyl	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	761	1-thiomorpholinylmethyl	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	762	1-thiomorpholinylmethyl	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	763	1-thiomorpholinylmethyl	4-pyridyl
20	764	1-thiomorpholinylmethyl	3-pyridyl
	765	1-thiomorpholinylmethyl	2-pyridyl
	766	1-thiomorpholinylmethyl	2-thiazolyl
	767	1-thiomorpholinylmethyl	2-pyrazolyl
	768	1-thiomorpholinylmethyl	5-isoquinolyl
25	769	1-thiomorpholinylmethyl	3,4-methylenedioxyC <sub>6</sub> H <sub>3</sub>
	770	1-thiomorpholinylmethyl	3,4-ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	771	1-thiomorpholinylmethyl	2-imidazolyl
30	772	1-thiomorpholinylmethyl	2-oxazolyl
	773	1-thiomorpholinylmethyl	4-isoxazolyl
	774	1-thiomorpholinylmethyl	4-HOC <sub>6</sub> H <sub>4</sub>
	775	1-thiomorpholinylmethyl	3-HOC <sub>6</sub> H <sub>4</sub>
	776	1-thiomorpholinylmethyl	3,4-diHOC <sub>6</sub> H <sub>4</sub>



5	777	1-thiomorpholinylmethyl	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	778	1-thiomorpholinylmethyl	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	779	1-piperazinylmethyl	3-MeOC <sub>6</sub> H <sub>4</sub>
	780	1-piperazinylmethyl	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	781	1-piperazinylmethyl	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
10	782	1-piperazinylmethyl	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	783	1-piperazinylmethyl	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	784	1-piperazinylmethyl	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	785	1-piperazinylmethyl	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	786	1-piperazinylmethyl	4-pyridyl
15	787	1-piperazinylmethyl	3-pyridyl
	788	1-piperazinylmethyl	2-pyridyl
	789	1-piperazinylmethyl	2-thiazolyl
	790	1-piperazinylmethyl	2-pyrazolyl
	791	1-piperazinylmethyl	5-isoquinolyl
20	792	1-piperazinylmethyl	3,4-methylenedioxyC <sub>6</sub> H <sub>3</sub>
	793	1-piperazinylmethyl	3,4-ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	794	1-piperazinylmethyl	2-imidazolyl
25	795	1-piperazinylmethyl	2-oxazolyl
	796	1-piperazinylmethyl	4-isoxazolyl
	797	1-piperazinylmethyl	4-HOC <sub>6</sub> H <sub>4</sub>
	798	1-piperazinylmethyl	3-HOC <sub>6</sub> H <sub>4</sub>
	799	1-piperazinylmethyl	3,4-diHOC <sub>6</sub> H <sub>4</sub>
30	800	1-piperazinylmethyl	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	801	1-piperazinylmethyl	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>

Table 3



5

Example Number	R <sup>1</sup>	R <sup>2</sup>
10		
802	2-pyridylmethyl	4-MeOC <sub>6</sub> H <sub>4</sub>
803	2-pyridylmethyl	3-MeOC <sub>6</sub> H <sub>4</sub>
804	2-pyridylmethyl	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
805	2-pyridylmethyl	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
15 806	2-pyridylmethyl	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
807	2-pyridylmethyl	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
808	2-pyridylmethyl	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
809	2-pyridylmethyl	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
810	2-pyridylmethyl	4-pyridyl
20 811	2-pyridylmethyl	3-pyridyl
812	2-pyridylmethyl	2-pyridyl
813	2-pyridylmethyl	2-thiazolyl
814	2-pyridylmethyl	2-pyrazolyl
815	2-pyridylmethyl	5-isoquinolyl
25 816	2-pyridylmethyl	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>
817	2-pyridylmethyl	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
818	2-pyridylmethyl	2-imidazolyl
30 819	2-pyridylmethyl	2-oxazolyl
820	2-pyridylmethyl	4-isoxazolyl
821	2-pyridylmethyl	4-HOC <sub>6</sub> H <sub>4</sub>

5	822	2-pyridylmethyl	3-HOC <sub>6</sub> H <sub>4</sub>
	823	2-pyridylmethyl	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	824	2-pyridylmethyl	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	825	2-pyridylmethyl	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	826	3-pyridylmethyl	4-MeOC <sub>6</sub> H <sub>4</sub>
10	827	3-pyridylmethyl	3-MeOC <sub>6</sub> H <sub>4</sub>
	828	3-pyridylmethyl	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	829	3-pyridylmethyl	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	830	3-pyridylmethyl	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	831	3-pyridylmethyl	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
15	832	3-pyridylmethyl	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	833	3-pyridylmethyl	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	834	3-pyridylmethyl	4-pyridyl
	835	3-pyridylmethyl	3-pyridyl
	836	3-pyridylmethyl	2-pyridyl
20	837	3-pyridylmethyl	2-thiazolyl
	838	3-pyridylmethyl	2-pyrazolyl
	839	3-pyridylmethyl	5-isoquinolyl
	840	3-pyridylmethyl	3,4-methylenedioxyC <sub>6</sub> H <sub>3</sub>
25	841	3-pyridylmethyl	3,4-ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	842	3-pyridylmethyl	2-imidazolyl
	843	3-pyridylmethyl	2-oxazolyl
	844	3-pyridylmethyl	4-isoxazolyl
30	845	3-pyridylmethyl	4-HOC <sub>6</sub> H <sub>4</sub>
	846	3-pyridylmethyl	3-HOC <sub>6</sub> H <sub>4</sub>
	847	3-pyridylmethyl	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	848	3-pyridylmethyl	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	849	3-pyridylmethyl	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>

5	850	4-pyridylmethyl	4-MeOC <sub>6</sub> H <sub>4</sub>
	851	4-pyridylmethyl	3-MeOC <sub>6</sub> H <sub>4</sub>
	852	4-pyridylmethyl	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	853	4-pyridylmethyl	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	854	4-pyridylmethyl	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
10	855	4-pyridylmethyl	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	856	4-pyridylmethyl	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	857	4-pyridylmethyl	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	858	4-pyridylmethyl	4-pyridyl
	859	4-pyridylmethyl	3-pyridyl
15	860	4-pyridylmethyl	2-pyridyl
	861	4-pyridylmethyl	2-thiazolyl
	862	4-pyridylmethyl	2-pyrazolyl
	863	4-pyridylmethyl	5-isoquinolyl
	864	4-pyridylmethyl	3,4-
20			methylenedioxyC <sub>6</sub> H <sub>3</sub>
	865	4-pyridylmethyl	3,4-
			ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	866	4-pyridylmethyl	2-imidazolyl
	867	4-pyridylmethyl	2-oxazolyl
25	868	4-pyridylmethyl	4-isoxazolyl
	869	4-pyridylmethyl	4-HOC <sub>6</sub> H <sub>4</sub>
	870	4-pyridylmethyl	3-HOC <sub>6</sub> H <sub>4</sub>
	871	4-pyridylmethyl	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	872	4-pyridylmethyl	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
30	873	4-pyridylmethyl	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	874	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	875	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	876	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	877	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>

5	878	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	879	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	880	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	881	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	882	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-pyridyl
10	883	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-pyridyl
	884	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-pyridyl
	885	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-thiazolyl
	886	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-pyrazolyl
	887	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	5-isoquinolyl
15	888	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>
	889	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	890	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-imidazolyl
20	891	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-oxazolyl
	892	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-isoxazolyl
	893	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	894	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	895	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
25	896	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	897	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	898	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	899	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	900	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
30	901	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	902	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	903	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	904	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>

5	905	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	906	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-pyridyl
	907	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-pyridyl
	908	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-pyridyl
	909	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-thiazolyl
10	910	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-pyrazolyl
	911	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	5-isoquinolyl
	912	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3,4-methylenedioxyC <sub>6</sub> H <sub>3</sub>
	913	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3,4-ethylenedioxyC <sub>6</sub> H <sub>3</sub>
15	914	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-imidazolyl
	915	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-oxazolyl
	916	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-isoxazolyl
	917	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
20	918	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	919	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	920	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	921	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	922	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
25	923	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	924	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	925	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	926	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	927	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
30	928	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	930	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	931	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-pyridyl
	932	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-pyridyl

5	933	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-pyridyl
	934	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-thiazolyl
	935	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-pyrazolyl
	936	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	5-isoquinolyl
	937	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3,4-
10			methylenedioxyC <sub>6</sub> H <sub>3</sub>
	938	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3,4-
			ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	939	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-imidazolyl
	940	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-oxazolyl
15	941	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-isoxazolyl
	942	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	943	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	944	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	945	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
20	946	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	947	2-MeOC <sub>6</sub> H <sub>4</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	948	2-MeOC <sub>6</sub> H <sub>4</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	949	2-MeOC <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	950	2-MeOC <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
25	951	2-MeOC <sub>6</sub> H <sub>4</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	952	2-MeOC <sub>6</sub> H <sub>4</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	953	2-MeOC <sub>6</sub> H <sub>4</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	954	2-MeOC <sub>6</sub> H <sub>4</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	955	2-MeOC <sub>6</sub> H <sub>4</sub>	4-pyridyl
30	956	2-MeOC <sub>6</sub> H <sub>4</sub>	3-pyridyl
	957	2-MeOC <sub>6</sub> H <sub>4</sub>	2-pyridyl
	958	2-MeOC <sub>6</sub> H <sub>4</sub>	2-thiazolyl
	959	2-MeOC <sub>6</sub> H <sub>4</sub>	2-pyrazolyl

5	960	2-MeOC <sub>6</sub> H <sub>4</sub>	5-isoquinolyl
	961	2-MeOC <sub>6</sub> H <sub>4</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>
	962	2-MeOC <sub>6</sub> H <sub>4</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
10	963	2-MeOC <sub>6</sub> H <sub>4</sub>	2-imidazolyl
	964	2-MeOC <sub>6</sub> H <sub>4</sub>	2-oxazolyl
	965	2-MeOC <sub>6</sub> H <sub>4</sub>	4-isoxazolyl
	966	2-MeOC <sub>6</sub> H <sub>4</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	967	2-MeOC <sub>6</sub> H <sub>4</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
15	968	2-MeOC <sub>6</sub> H <sub>4</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	969	2-MeOC <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	970	2-MeOC <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	971	3-MeOC <sub>6</sub> H <sub>4</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	972	3-MeOC <sub>6</sub> H <sub>4</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
20	973	3-MeOC <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	974	3-MeOC <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	975	3-MeOC <sub>6</sub> H <sub>4</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	976	3-MeOC <sub>6</sub> H <sub>4</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	977	3-MeOC <sub>6</sub> H <sub>4</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
25	978	3-MeOC <sub>6</sub> H <sub>4</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	979	3-MeOC <sub>6</sub> H <sub>4</sub>	4-pyridyl
	980	3-MeOC <sub>6</sub> H <sub>4</sub>	3-pyridyl
	981	3-MeOC <sub>6</sub> H <sub>4</sub>	2-pyridyl
	982	3-MeOC <sub>6</sub> H <sub>4</sub>	2-thiazolyl
30	983	3-MeOC <sub>6</sub> H <sub>4</sub>	2-pyrazolyl
	984	3-MeOC <sub>6</sub> H <sub>4</sub>	5-isoquinolyl
	985	3-MeOC <sub>6</sub> H <sub>4</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>



5	986	3-MeOC <sub>6</sub> H <sub>4</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	987	3-MeOC <sub>6</sub> H <sub>4</sub>	2-imidazolyl
	988	3-MeOC <sub>6</sub> H <sub>4</sub>	2-oxazolyl
	989	3-MeOC <sub>6</sub> H <sub>4</sub>	4-isoxazolyl
10	990	3-MeOC <sub>6</sub> H <sub>4</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	991	3-MeOC <sub>6</sub> H <sub>4</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	992	3-MeOC <sub>6</sub> H <sub>4</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	993	3-MeOC <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	994	3-MeOC <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
15	995	4-MeOC <sub>6</sub> H <sub>4</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	996	4-MeOC <sub>6</sub> H <sub>4</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	997	4-MeOC <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	998	4-MeOC <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	999	4-MeOC <sub>6</sub> H <sub>4</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
20	1000	4-MeOC <sub>6</sub> H <sub>4</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1001	4-MeOC <sub>6</sub> H <sub>4</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1002	4-MeOC <sub>6</sub> H <sub>4</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1003	4-MeOC <sub>6</sub> H <sub>4</sub>	4-pyridyl
	1004	4-MeOC <sub>6</sub> H <sub>4</sub>	3-pyridyl
25	1005	4-MeOC <sub>6</sub> H <sub>4</sub>	2-pyridyl
	1006	4-MeOC <sub>6</sub> H <sub>4</sub>	2-thiazolyl
	1007	4-MeOC <sub>6</sub> H <sub>4</sub>	2-pyrazolyl
	1008	4-MeOC <sub>6</sub> H <sub>4</sub>	5-isoquinolyl
	1009	4-MeOC <sub>6</sub> H <sub>4</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>
30			
	1010	4-MeOC <sub>6</sub> H <sub>4</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	1011	4-MeOC <sub>6</sub> H <sub>4</sub>	2-imidazolyl

5	1012	4-MeOC <sub>6</sub> H <sub>4</sub>	2-oxazolyl
	1013	4-MeOC <sub>6</sub> H <sub>4</sub>	4-isoxazolyl
	1014	4-MeOC <sub>6</sub> H <sub>4</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	1015	4-MeOC <sub>6</sub> H <sub>4</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	1016	4-MeOC <sub>6</sub> H <sub>4</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
10	1017	4-MeOC <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1018	4-MeOC <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1019	2-HOC <sub>6</sub> H <sub>4</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	1020	2-HOC <sub>6</sub> H <sub>4</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	1021	2-HOC <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
15	1022	2-HOC <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1023	2-HOC <sub>6</sub> H <sub>4</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1024	2-HOC <sub>6</sub> H <sub>4</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1025	2-HOC <sub>6</sub> H <sub>4</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1026	2-HOC <sub>6</sub> H <sub>4</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
20	1027	2-HOC <sub>6</sub> H <sub>4</sub>	4-pyridyl
	1028	2-HOC <sub>6</sub> H <sub>4</sub>	3-pyridyl
	1029	2-HOC <sub>6</sub> H <sub>4</sub>	2-pyridyl
	1030	2-HOC <sub>6</sub> H <sub>4</sub>	2-thiazolyl
	1031	2-HOC <sub>6</sub> H <sub>4</sub>	2-pyrazolyl
25	1032	2-HOC <sub>6</sub> H <sub>4</sub>	5-isoquinolyl
	1033	2-HOC <sub>6</sub> H <sub>4</sub>	3,4-methylenedioxyC <sub>6</sub> H <sub>3</sub>
	1034	2-HOC <sub>6</sub> H <sub>4</sub>	3,4-ethylenedioxyC <sub>6</sub> H <sub>3</sub>
30	1035	2-HOC <sub>6</sub> H <sub>4</sub>	2-imidazolyl
	1036	2-HOC <sub>6</sub> H <sub>4</sub>	2-oxazolyl
	1037	2-HOC <sub>6</sub> H <sub>4</sub>	4-isoxazolyl
	1038	2-HOC <sub>6</sub> H <sub>4</sub>	4-HOC <sub>6</sub> H <sub>4</sub>

5	1039	2-HOC <sub>6</sub> H <sub>4</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	1040	2-HOC <sub>6</sub> H <sub>4</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	1041	2-HOC <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1042	2-HOC <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1043	3-HOC <sub>6</sub> H <sub>4</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
10	1044	3-HOC <sub>6</sub> H <sub>4</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	1045	3-HOC <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1046	3-HOC <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1047	3-HOC <sub>6</sub> H <sub>4</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1048	3-HOC <sub>6</sub> H <sub>4</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
15	1049	3-HOC <sub>6</sub> H <sub>4</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1050	3-HOC <sub>6</sub> H <sub>4</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1051	3-HOC <sub>6</sub> H <sub>4</sub>	4-pyridyl
	1052	3-HOC <sub>6</sub> H <sub>4</sub>	3-pyridyl
	1053	3-HOC <sub>6</sub> H <sub>4</sub>	2-pyridyl
20	1054	3-HOC <sub>6</sub> H <sub>4</sub>	2-thiazolyl
	1055	3-HOC <sub>6</sub> H <sub>4</sub>	2-pyrazolyl
	1056	3-HOC <sub>6</sub> H <sub>4</sub>	5-isoquinolyl
	1057	3-HOC <sub>6</sub> H <sub>4</sub>	3,4-methylenedioxyC <sub>6</sub> H <sub>3</sub>
25	1058	3-HOC <sub>6</sub> H <sub>4</sub>	3,4-ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	1059	3-HOC <sub>6</sub> H <sub>4</sub>	2-imidazolyl
	1060	3-HOC <sub>6</sub> H <sub>4</sub>	2-oxazolyl
	1061	3-HOC <sub>6</sub> H <sub>4</sub>	4-isoxazolyl
30	1062	3-HOC <sub>6</sub> H <sub>4</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	1063	3-HOC <sub>6</sub> H <sub>4</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	1064	3-HOC <sub>6</sub> H <sub>4</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	1065	3-HOC <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>

5	1066	3-HOC <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1067	4-HOC <sub>6</sub> H <sub>4</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	1068	4-HOC <sub>6</sub> H <sub>4</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	1069	4-HOC <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1070	4-HOC <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
10	1071	4-HOC <sub>6</sub> H <sub>4</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1072	4-HOC <sub>6</sub> H <sub>4</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1073	4-HOC <sub>6</sub> H <sub>4</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1074	4-HOC <sub>6</sub> H <sub>4</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1075	4-HOC <sub>6</sub> H <sub>4</sub>	4-pyridyl
15	1076	4-HOC <sub>6</sub> H <sub>4</sub>	3-pyridyl
	1077	4-HOC <sub>6</sub> H <sub>4</sub>	2-pyridyl
	1078	4-HOC <sub>6</sub> H <sub>4</sub>	2-thiazolyl
	1079	4-HOC <sub>6</sub> H <sub>4</sub>	2-pyrazolyl
	1080	4-HOC <sub>6</sub> H <sub>4</sub>	5-isoquinolyl
20	1081	4-HOC <sub>6</sub> H <sub>4</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>
	1082	4-HOC <sub>6</sub> H <sub>4</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	1083	4-HOC <sub>6</sub> H <sub>4</sub>	2-imidazolyl
25	1084	4-HOC <sub>6</sub> H <sub>4</sub>	2-oxazolyl
	1085	4-HOC <sub>6</sub> H <sub>4</sub>	4-isoxazolyl
	1086	4-HOC <sub>6</sub> H <sub>4</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	1087	4-HOC <sub>6</sub> H <sub>4</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	1088	4-HOC <sub>6</sub> H <sub>4</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
30	1089	4-HOC <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1090	4-HOC <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1091	4-ClC <sub>6</sub> H <sub>4</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	1092	4-ClC <sub>6</sub> H <sub>4</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>

5	1093	4-ClC <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1094	4-ClC <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1095	4-ClC <sub>6</sub> H <sub>4</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1096	4-ClC <sub>6</sub> H <sub>4</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1097	4-ClC <sub>6</sub> H <sub>4</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
10	1098	4-ClC <sub>6</sub> H <sub>4</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1099	4-ClC <sub>6</sub> H <sub>4</sub>	4-pyridyl
	1100	4-ClC <sub>6</sub> H <sub>4</sub>	3-pyridyl
	1101	4-ClC <sub>6</sub> H <sub>4</sub>	2-pyridyl
	1102	4-ClC <sub>6</sub> H <sub>4</sub>	2-thiazolyl
15	1103	4-ClC <sub>6</sub> H <sub>4</sub>	2-pyrazolyl
	1104	4-ClC <sub>6</sub> H <sub>4</sub>	5-isoquinolyl
	1105	4-ClC <sub>6</sub> H <sub>4</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>
	1106	4-ClC <sub>6</sub> H <sub>4</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
20	1107	4-ClC <sub>6</sub> H <sub>4</sub>	2-imidazolyl
	1108	4-ClC <sub>6</sub> H <sub>4</sub>	2-oxazolyl
	1109	4-ClC <sub>6</sub> H <sub>4</sub>	4-isoxazolyl
	1110	4-ClC <sub>6</sub> H <sub>4</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
25	1111	4-ClC <sub>6</sub> H <sub>4</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	1112	4-ClC <sub>6</sub> H <sub>4</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	1113	4-ClC <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1114	4-ClC <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1115	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
30	1116	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	1117	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1118	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1119	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>

5	1120	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1121	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1122	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1123	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-pyridyl
	1124	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-pyridyl
10	1125	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-pyridyl
	1126	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-thiazolyl
	1127	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-pyrazolyl
	1128	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	5-isoquinolyl
	1129	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3,4-
15			methylenedioxyC <sub>6</sub> H <sub>3</sub>
	1130	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3,4-
			ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	1131	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-imidazolyl
	1132	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-oxazolyl
20	1133	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-isoxazolyl
	1134	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	1135	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	1136	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	1137	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
25	1138	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1139	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	1140	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	1141	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1142	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
30	1143	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1144	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1145	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1146	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>

5	1147	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-pyridyl
	1148	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-pyridyl
	1149	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-pyridyl
	1150	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-thiazolyl
	1151	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-pyrazolyl
10	1152	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	5-isoquinolyl
	1153	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3,4-methylenedioxyC <sub>6</sub> H <sub>3</sub>
	1154	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3,4-ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	1155	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-imidazolyl
15	1156	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-oxazolyl
	1157	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-isoxazolyl
	1158	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	1159	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	1160	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
20	1161	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1162	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1163	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	1164	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	1165	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
25	1166	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1167	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1168	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1169	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1170	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
30	1171	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-pyridyl
	1172	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-pyridyl
	1173	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-pyridyl

5	1174	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-thiazolyl
	1175	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-pyrazolyl
	1176	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	5-isoquinolyl
	1177	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3,4-methylenedioxyC <sub>6</sub> H <sub>3</sub>
10	1178	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3,4-ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	1179	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-imidazolyl
	1180	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-oxazolyl
	1181	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-isoxazolyl
	1182	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
15	1183	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	1184	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	1185	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1186	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1187	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
20	1188	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	1189	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1190	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1191	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1192	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
25	1193	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1194	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1195	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-pyridyl
	1196	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-pyridyl
	1197	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-pyridyl
30	1198	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-thiazolyl
	1199	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-pyrazolyl
	1200	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	5-isoquinolyl



5	1201	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>
	1202	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	1203	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-imidazolyl
10	1204	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-oxazolyl
	1205	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-isoxazolyl
	1206	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	1207	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	1208	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
15	1209	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1210	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1211	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	1212	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	1213	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
20	1214	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1215	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1216	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1217	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1218	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
25	1219	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-pyridyl
	1220	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-pyridyl
	1221	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-pyridyl
	1222	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-thiazolyl
	1223	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-pyrazolyl
30	1224	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	5-isoquinolyl
	1225	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>

5	1226	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	1227	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-imidazolyl
	1228	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-oxazolyl
	1229	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-isoxazolyl
10	1230	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	1231	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	1232	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	1233	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1234	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
15	1235	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	1236	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	1237	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1238	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1239	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
20	1240	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1241	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1242	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1243	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-pyridyl
	1244	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-pyridyl
25	1245	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-pyridyl
	1246	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-thiazolyl
	1247	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-pyrazolyl
	1248	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	5-isoquinolyl
	1249	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>
30	1250	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	1251	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-imidazolyl

5	1252	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	2-oxazolyl
	1253	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-isoxazolyl
	1254	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	1255	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	1256	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
10	1257	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1258	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1259	H	4-MeOC <sub>6</sub> H <sub>4</sub>
	1260	H	3-MeOC <sub>6</sub> H <sub>4</sub>
	1261	H	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
15	1262	H	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1263	H	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1264	H	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1265	H	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1266	H	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
20	1267	H	4-pyridyl
	1268	H	3-pyridyl
	1269	H	2-pyridyl
	1270	H	2-thiazolyl
	1271	H	2-pyrazolyl
25	1272	H	5-isoquinolyl
	1273	H	3,4-methylenedioxyC <sub>6</sub> H <sub>3</sub>
	1274	H	3,4-ethylenedioxyC <sub>6</sub> H <sub>3</sub>
30	1275	H	2-imidazolyl
	1276	H	2-oxazolyl
	1277	H	4-isoxazolyl
	1278	H	4-HOC <sub>6</sub> H <sub>4</sub>
	1279	H	3-HOC <sub>6</sub> H <sub>4</sub>

5	1280	H	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	1281	H	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1282	H	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1283	Me	4-MeOC <sub>6</sub> H <sub>4</sub>
	1284	Me	3-MeOC <sub>6</sub> H <sub>4</sub>
10	1285	Me	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1286	Me	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1287	Me	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1288	Me	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1289	Me	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
15	1290	Me	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1291	Me	4-pyridyl
	1292	Me	3-pyridyl
	1293	Me	2-pyridyl
	1294	Me	2-thiazolyl
20	1295	Me	2-pyrazolyl
	1296	Me	5-isoquinolyl
	1297	Me	3,4-methylenedioxyC <sub>6</sub> H <sub>3</sub>
	1298	Me	3,4-ethylenedioxyC <sub>6</sub> H <sub>3</sub>
25	1299	Me	2-imidazolyl
	1300	Me	2-oxazolyl
	1301	Me	4-isoxazolyl
	1302	Me	4-HOC <sub>6</sub> H <sub>4</sub>
	1303	Me	3-HOC <sub>6</sub> H <sub>4</sub>
30	1304	Me	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	1305	Me	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1306	Me	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1307	Et	4-MeOC <sub>6</sub> H <sub>4</sub>

5	1308	Et	3-MeOC <sub>6</sub> H <sub>4</sub>
	1309	Et	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1310	Et	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1311	Et	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1312	Et	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
10	1313	Et	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1314	Et	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1315	Et	4-pyridyl
	1316	Et	3-pyridyl
	1317	Et	2-pyridyl
15	1318	Et	2-thiazolyl
	1319	Et	2-pyrazolyl
	1320	Et	5-isoquinolyl
	1321	Et	3,4-methylenedioxyC <sub>6</sub> H <sub>3</sub>
20	1322	Et	3,4-ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	1323	Et	2-imidazolyl
	1324	Et	2-oxazolyl
	1325	Et	4-isoxazolyl
25	1326	Et	4-HOC <sub>6</sub> H <sub>4</sub>
	1327	Et	3-HOC <sub>6</sub> H <sub>4</sub>
	1328	Et	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	1329	Et	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1330	Et	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
30	1331	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	1332	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	1333	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1334	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1335	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>

5	1336	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1337	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1338	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1339	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
	1340	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
10	1341	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
	1342	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
	1343	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
	1344	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
	1345	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-
15			methylenedioxyC <sub>6</sub> H <sub>3</sub>
	1346	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-
			ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	1347	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
	1348	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
20	1349	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
	1350	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	1351	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	1352	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	1353	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
25	1354	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1355	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	1356	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	1357	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1358	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
30	1359	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1360	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1361	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1362	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>

5	1363	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
	1364	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
	1365	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
	1366	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
	1367	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
10	1367	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
	1369	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>
	1370	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
15	1371	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
	1372	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
	1373	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
	1374	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	1375	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
20	1376	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-dihOC <sub>6</sub> H <sub>4</sub>
	1377	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1378	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1379	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	1380	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
25	1381	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1382	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1383	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1384	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1385	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
30	1386	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1387	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
	1388	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
	1389	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl

5	1390	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
	1391	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
	1392	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
	1393	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-methylenedioxyC <sub>6</sub> H <sub>3</sub>
10	1394	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	1395	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
	1396	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
	1397	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
	1398	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
15	1399	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	1400	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	1401	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1402	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1403	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
20	1404	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	1405	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1406	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1407	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1408	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
25	1409	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1410	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1411	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
	1412	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
	1413	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
30	1414	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
	1415	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
	1416	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl



5	1417	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>
	1418	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	1419	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
10	1420	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
	1421	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
	1422	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	1423	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	1424	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
15	1425	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1426	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1427	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	1428	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	1429	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
20	1430	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1431	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1432	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1433	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1434	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
25	1435	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
	1436	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
	1437	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
	1438	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
	1439	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
30	1440	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
	1441	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>

5	1442	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	1443	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
	1444	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
	1445	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
10	1446	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	1447	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	1448	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	1449	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1450	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
15	1451	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	1452	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	1453	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1454	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1455	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
20	1456	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1457	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1458	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1459	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
	1460	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
25	1461	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
	1462	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
	1463	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
	1464	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
	1465	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>
30			
	1466	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	1467	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl

5	1468	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
	1469	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
	1470	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	1471	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	1472	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
10	1473	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1474	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1475	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	1476	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	1477	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
15	1478	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1479	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1480	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1481	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1482	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
20	1483	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
	1484	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
	1485	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
	1486	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
	1487	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
25	1488	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
	1489	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>
	1490	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
30	1491	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
	1492	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
	1493	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
	1494	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>

5	1495	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	1496	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	1497	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1498	2-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1499	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
10	1500	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	1501	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1502	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1503	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1504	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
15	1505	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1506	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1507	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
	1508	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
	1509	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
20	1510	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
	1511	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
	1512	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
	1513	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-methylenedioxyC <sub>6</sub> H <sub>3</sub>
25	1514	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	1514	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
	1516	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
	1517	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
30	1518	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	1519	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	1520	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	1521	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>

5	1522	3-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1523	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	1524	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	1525	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1526	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
10	1527	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1528	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1529	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1530	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1531	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
15	1532	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
	1533	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
	1534	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
	1535	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
	1536	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
20	1537	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>
	1538	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	1539	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
25	1540	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
	1541	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
	1542	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	1543	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	1544	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
30	1545	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1546	4-HOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1547	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	1548	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>

5	1549	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1550	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1551	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1552	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1553	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
10	1554	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1555	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
	1556	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
	1557	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
	1558	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
15	1559	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
	1560	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
	1561	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-methylenedioxyC <sub>6</sub> H <sub>3</sub>
	1562	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	1563	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
20	1564	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
	1565	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
	1566	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	1567	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	1568	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
25	1569	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1570	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1571	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	1572	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	1573	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
30	1574	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1575	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>

5	1576	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1577	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1578	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1579	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
	1580	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
10	1581	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
	1582	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
	1583	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
	1584	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
	1585	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-
15			methylenedioxyC <sub>6</sub> H <sub>3</sub>
	1586	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-
			ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	1587	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
	1588	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
20	1589	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
	1590	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	1591	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	1592	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	1593	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
25	1594	2-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1595	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	1596	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	1597	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1598	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
30	1599	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1600	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1601	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1602	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>

5	1603	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
	1604	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
	1605	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
	1606	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
	1607	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
10	1608	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
	1609	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>
	1610	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
15	1611	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
	1612	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
	1613	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
	1614	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	1615	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
20	1616	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	1617	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1618	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1619	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	1620	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
25	1621	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1622	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1623	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1624	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1625	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
30	1626	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1627	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
	1628	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
	1629	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl



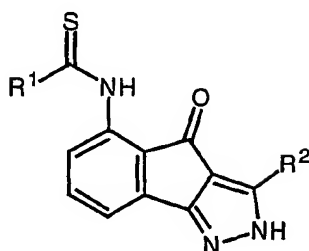
5	1630	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
	1631	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
	1632	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
	1633	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-methylenedioxyC <sub>6</sub> H <sub>3</sub>
10	1634	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	1635	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
	1636	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
	1637	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
	1638	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
15	1639	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	1640	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-dihOC <sub>6</sub> H <sub>4</sub>
	1641	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1642	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1643	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
20	1644	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	1645	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1646	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1647	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1648	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
25	1649	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1650	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1651	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
	1652	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
	1653	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
30	1654	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
	1655	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
	1656	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl

5	1657	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>
	1658	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	1659	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
10	1660	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
	1661	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
	1662	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	1663	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	1664	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
15	1665	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1666	2-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1667	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	1668	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	1669	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1670	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
20	1671	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1672	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1673	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1674	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1675	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
25	1676	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
	1677	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
	1678	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
	1679	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
	1680	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
30	1681	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>

5	1682	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	1683	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl
	1684	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
	1685	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
10	1686	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	1687	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	1688	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
	1689	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1690	3-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
15	1691	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
	1692	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-MeOC <sub>6</sub> H <sub>4</sub>
	1693	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1694	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1695	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
20	1696	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1697	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1698	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
	1699	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-pyridyl
	1700	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-pyridyl
25	1701	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyridyl
	1702	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-thiazolyl
	1703	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-pyrazolyl
	1704	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	5-isoquinolyl
	1705	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- methylenedioxyC <sub>6</sub> H <sub>3</sub>
30	1706	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4- ethylenedioxyC <sub>6</sub> H <sub>3</sub>
	1707	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-imidazolyl

5	1708	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	2-oxazolyl
	1709	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-isoxazolyl
	1710	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-HOC <sub>6</sub> H <sub>4</sub>
	1711	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-HOC <sub>6</sub> H <sub>4</sub>
	1712	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3,4-diHOC <sub>6</sub> H <sub>4</sub>
10	1713	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
	1714	4-Me <sub>2</sub> NCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	3-NH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>

Table 4



15

Example Number	R <sup>1</sup>	R <sup>2</sup>
1715	Methyl	4-MeOC <sub>6</sub> H <sub>4</sub>
1716	ClCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1717	Cyclopropyl	4-MeOC <sub>6</sub> H <sub>4</sub>
1718	Isopropyl	4-MeOC <sub>6</sub> H <sub>4</sub>
1719	Ethyl	4-MeOC <sub>6</sub> H <sub>4</sub>
1720	Cyclopentyl	4-MeOC <sub>6</sub> H <sub>4</sub>
1721	Cyclobutyl	4-MeOC <sub>6</sub> H <sub>4</sub>
1722	Benzyl	4-MeOC <sub>6</sub> H <sub>4</sub>
1723	n-propyl	4-MeOC <sub>6</sub> H <sub>4</sub>
1724	4-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1725	3-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1726	4-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>

1727	3,4-diMeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1728	2,5-diMeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1729	Methyl	2-MeOC <sub>6</sub> H <sub>4</sub>
1730	Methyl	3,4-diMeOC <sub>6</sub> H <sub>4</sub>
1731	3,4-(OCH <sub>2</sub> O)C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1732	3-thiophenylCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1733	2-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1734	3,4-diClOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1735	2,4-diClOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1736	2-ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1737	H <sub>2</sub> NCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1738	HOCH <sub>2</sub> NHCH <sub>2</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1739	Me <sub>2</sub> NCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1740	PiperazinylCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1741	4-Me-piperazinylCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1742	4-HOCH <sub>2</sub> CH <sub>2</sub> - piperazinylCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1743	PiperidinylCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1744	4-NH <sub>2</sub> CH <sub>2</sub> - piperidinylCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1745	CH <sub>3</sub> CH <sub>2</sub> NHCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1746	ThiomorpholinylCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1747	MorpholinylCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1748	PyrolidinylCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1749	4-pyridylCH <sub>2</sub> NHCH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1750	4-CH <sub>3</sub> CONHC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1751	4-CH <sub>3</sub> OCNHC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1752	4-NH <sub>2</sub> CH <sub>2</sub> CONHC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>

1753	4-Me <sub>2</sub> NCH <sub>2</sub> CONHC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1754	4-N <sub>3</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1755	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub>	4-MeOC <sub>6</sub> H <sub>4</sub>
1756	C <sub>6</sub> H <sub>5</sub> NH	4-MeOC <sub>6</sub> H <sub>4</sub>
1757	CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> NH	4-MeOC <sub>6</sub> H <sub>4</sub>
1758	4-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub> NH	4-MeOC <sub>6</sub> H <sub>4</sub>
1759	4-pyridylCH <sub>2</sub> NH	4-MeOC <sub>6</sub> H <sub>4</sub>
1760	Methyl	4-HOC <sub>6</sub> H <sub>4</sub>
1761	H	4-MeOC <sub>6</sub> H <sub>4</sub>
1762	Methyl	3-pyridyl
1763	Methyl	4-pyridyl
1764	H	4-pyridyl
1765	Methyl	C <sub>6</sub> H <sub>5</sub>
1766	Methyl	4-MeSC <sub>6</sub> H <sub>4</sub>
1767	Methyl	4-MeSO <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
1768	Methyl	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
1769	MorpholinylCH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
1770	Me <sub>2</sub> NCH <sub>2</sub>	4-Me <sub>2</sub> NC <sub>6</sub> H <sub>4</sub>
1771	Me <sub>2</sub> NCH <sub>2</sub>	4-(piperidinyl)C <sub>6</sub> H <sub>4</sub>
1772	Me <sub>2</sub> NCH <sub>2</sub>	4-(morpholinyl)C <sub>6</sub> H <sub>4</sub>
1773	Me <sub>2</sub> NCH <sub>2</sub>	4-CH <sub>3</sub> CH <sub>2</sub> OC <sub>6</sub> H <sub>4</sub>
1774	Me <sub>2</sub> NCH <sub>2</sub>	4-CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
1775	Me <sub>2</sub> NCH <sub>2</sub>	4-CH <sub>3</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
1776	Me <sub>2</sub> NCH <sub>2</sub>	4-CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub>

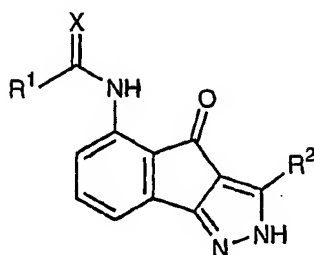
5

## CLAIMS

What is claimed is:

1. A compound according to formula (I):

10



(I)

or a stereoisomer or pharmaceutically acceptable salt form thereof, wherein:

15

X is selected from the group: O, S, and NR;

R is selected from the group: H, C<sub>1-4</sub> alkyl, and NR<sup>5</sup>R<sup>5a</sup>;

20

R<sup>1</sup> is selected from the group: H, C<sub>1-10</sub> alkyl substituted with 0-3 R<sup>C</sup>, C<sub>2-10</sub> alkenyl substituted with 0-3 R<sup>C</sup>, C<sub>2-10</sub> alkynyl substituted with 0-3 R<sup>C</sup>, C<sub>1-10</sub> alkoxy, -NHR<sup>4</sup>, C<sub>3-10</sub> carbocycle substituted with 0-5 R<sup>a</sup>, and 3-10 membered heterocycle containing from 1-4 heteroatoms selected from O, N, and S and substituted with 0-5 R<sup>b</sup>;

25

R<sup>2</sup> is selected from the group: H, C<sub>1-10</sub> alkyl substituted with 0-3 R<sup>C</sup>, C<sub>2-10</sub> alkenyl substituted with 0-3 R<sup>C</sup>,

5 C<sub>2</sub>-10 alkynyl substituted with 0-3 R<sup>C</sup>, -(CF<sub>2</sub>)<sub>m</sub>CF<sub>3</sub>,  
 C<sub>3</sub>-10 carbocycle substituted with 0-5 R<sup>a</sup>, and 3-10  
 membered heterocycle containing from 1-4 heteroatoms  
 selected from O, N, and S and substituted with 0-5 R<sup>b</sup>;

10 R<sup>3</sup> is selected from the group: H, halo, -CN, NO<sub>2</sub>, C<sub>1</sub>-4  
 haloalkyl, NR<sup>5</sup>R<sup>5a</sup>, NR<sup>5</sup>NR<sup>5</sup>R<sup>5a</sup>, NR<sup>5</sup>C(O)OR<sup>5</sup>, NR<sup>5</sup>C(O)R<sup>5</sup>,  
 =O, OR<sup>5</sup>, COR<sup>5</sup>, CO<sub>2</sub>R<sup>5</sup>, CONR<sup>5</sup>R<sup>5a</sup>, NHC(O)NR<sup>5</sup>R<sup>5a</sup>,  
 NHC(S)NR<sup>5</sup>R<sup>5a</sup>, SO<sub>2</sub>NR<sup>5</sup>R<sup>5a</sup>, SO<sub>2</sub>R<sup>5b</sup>, C<sub>1</sub>-4 alkyl, phenyl,  
 benzyl, C<sub>1</sub>-4 alkyl substituted with 1-3 R<sup>C</sup>, C<sub>5</sub>-10 alkyl  
 15 substituted with C<sub>2</sub>-10 alkenyl optionally substituted  
 with 0-3 R<sup>6</sup>, C<sub>2</sub>-10 alkynyl substituted with 0-3 R<sup>6</sup>, -  
 (CF<sub>2</sub>)<sub>m</sub>CF<sub>3</sub>, C<sub>3</sub>-10 carbocycle substituted with 0-5 R<sup>6</sup>,  
 and 5-10 membered heterocycle containing from 1-4  
 heteroatoms selected from O, N, and S, substituted with  
 20 0-3 R<sup>6</sup>; and

provided that if R<sup>3</sup> is phenyl, it is substituted with 1-5  
 R<sup>a</sup>;

R<sup>4</sup> is independently at each occurrence selected from the  
 25 group: H, -CN, C<sub>1</sub>-4 alkyl, C<sub>1</sub>-4 haloalkyl, NR<sup>3</sup>R<sup>3a</sup>,  
 NR<sup>3</sup>C(O)OR<sup>3</sup>, NR<sup>3</sup>C(O)R<sup>3</sup>, OR<sup>3</sup>, COR<sup>3</sup>, CO<sub>2</sub>R<sup>3</sup>, CONR<sup>3</sup>R<sup>3a</sup>,  
 NHC(O)NR<sup>3</sup>R<sup>3a</sup>, NHC(S)NR<sup>3</sup>R<sup>3a</sup>, SO<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, SO<sub>2</sub>R<sup>3b</sup>, C<sub>3</sub>-10  
 carbocycle substituted with 0-5 R<sup>a</sup>, and 5-10 membered  
 heterocycle containing from 1-4 heteroatoms selected  
 30 from O, N, and S, substituted with 0-3 R<sup>3</sup>;



5

provided that at least one  $R^3$  is present and that this  $R^3$  is selected from the group: C<sub>1-4</sub> alkyl substituted with 1-3  $R^6$ , C<sub>5-10</sub> alkyl substituted with C<sub>2-10</sub> alkenyl optionally substituted with 0-3  $R^6$ , C<sub>2-10</sub> alkynyl substituted with 0-3  $R^6$ ,  $-(CF_2)_mCF_3$ , C<sub>3-10</sub> carbocycle substituted with 0-5  $R^6$ , and 5-10 membered heterocycle containing from 1-4 heteroatoms selected from O, N, and S, substituted with 0-3  $R^6$ ;

15  $R^a$  is independently at each occurrence selected from the group: halo, -CN,  $N_3$ , NO<sub>2</sub>, C<sub>1-4</sub> alkyl, C<sub>1-4</sub> haloalkyl,  $NR^3R^{3a}$ , =O, OR<sup>3</sup>, COR<sup>3</sup>, CO<sub>2</sub>R<sup>3</sup>, CONR<sup>3</sup>R<sup>3a</sup>, NHC(O)NR<sup>3</sup>R<sup>3a</sup>, NHC(S)NR<sup>3</sup>R<sup>3a</sup>, NR<sup>3</sup>C(O)OR<sup>3</sup>, NR<sup>3</sup>C(O)R<sup>3</sup>, SO<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, SO<sub>2</sub>R<sup>3b</sup>, and 5-10 membered heterocycle containing from 1-4 heteroatoms selected from O, N, and S;

alternatively, when two  $R^a$ 's are present on adjacent carbon atoms they combine to form -OCH<sub>2</sub>O- or -OCH<sub>2</sub>CH<sub>2</sub>O-;

25

$R^b$  is independently at each occurrence selected from the group: halo, -CN, NO<sub>2</sub>, C<sub>1-4</sub> alkyl, C<sub>1-4</sub> haloalkyl,  $NR^3R^{3a}$ , NR<sup>3</sup>C(O)OR<sup>3</sup>, NR<sup>3</sup>C(O)R<sup>3</sup>, OR<sup>3</sup>, COR<sup>3</sup>, CO<sub>2</sub>R<sup>3</sup>, CONR<sup>3</sup>R<sup>3a</sup>, NHC(O)NR<sup>3</sup>R<sup>3a</sup>, NHC(S)NR<sup>3</sup>R<sup>3a</sup>, SO<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, and SO<sub>2</sub>R<sup>3b</sup>;

30

5  $R^C$  is independently at each occurrence selected from the  
group: halo, -CN,  $NO_2$ ,  $C_{1-4}$  alkyl,  $C_{1-4}$  haloalkyl,  
 $NR^3R^{3a}$ ,  $NR^5NR^5R^{5a}$ ,  $NR^3C(O)OR^3$ ,  $NR^3C(O)R^3$ , =O,  $OR^3$ ,  
 $COR^3$ ,  $CO_2R^3$ ,  $CONR^3R^{3a}$ ,  $NHC(O)NR^3R^{3a}$ ,  $NHC(S)NR^3R^{3a}$ ,  
 $SO_2NR^3R^{3a}$ ,  $SO_2R^{3b}$ ,  $C_{3-10}$  carbocycle substituted with  
10 0-5  $R^a$ , and 5-10 membered heterocycle containing from  
1-4 heteroatoms selected from O, N, and S, substituted  
with 0-3  $R^3$ ;

$R^{3a}$  is selected from the group: H,  $C_{1-4}$  alkyl, phenyl, and  
15 benzyl;

alternatively,  $R^3$  and  $R^{3a}$ , together with the nitrogen atom  
to which they are attached, form a heterocycle having  
4-8 atoms in the ring containing an additional 0-1 N,  
20 S, or O atom and substituted with 0-3  $R^{3c}$ ;

$R^{3b}$  is selected from the group: H,  $C_{1-4}$  alkyl, phenyl, and  
benzyl;

25  $R^{3c}$  is independently at each occurrence selected from the  
group: halo, -CN,  $N_3$ ,  $NO_2$ ,  $C_{1-4}$  alkyl,  $C_{1-4}$   
haloalkyl,  $NR^3R^{3b}$ , =O,  $OR^3$ ,  $COR^3$ ,  $CO_2R^3$ ,  $CONR^3R^{3b}$ ,  
 $NHC(O)NR^3R^{3b}$ ,  $NHC(S)NR^3R^{3b}$ ,  $NR^3C(O)OR^3$ ,  $NR^3C(O)R^3$ ,  
 $SO_2NR^3R^{3b}$ ,  $SO_2R^{3b}$ , and 5-10 membered heterocycle  
30 containing from 1-4 heteroatoms selected from O, N, and  
S;

5 R<sup>5</sup> is independently selected from the group: H, C<sub>1-4</sub> alkyl, phenyl and benzyl;

R<sup>5a</sup> is independently selected from the group: H, C<sub>1-4</sub> alkyl, phenyl and benzyl;

10

R<sup>5b</sup> is independently selected from the group: H, C<sub>1-4</sub> alkyl, phenyl and benzyl;

15 R<sup>6</sup> is independently at each occurrence selected from the group: halo, -CN, NO<sub>2</sub>, C<sub>1-4</sub> alkyl, C<sub>1-4</sub> haloalkyl, NR<sup>5</sup>R<sup>5</sup>, NR<sup>5</sup>NR<sup>5</sup>R<sup>5a</sup>, NR<sup>5</sup>C(O)OR<sup>5</sup>, NR<sup>5</sup>C(O)R<sup>5</sup>, =O, OR<sup>5</sup>, COR<sup>5</sup>, CO<sub>2</sub>R<sup>5</sup>, CONR<sup>5</sup>R<sup>5a</sup>, NHC(O)NR<sup>5</sup>R<sup>5a</sup>, NHC(S)NR<sup>5</sup>R<sup>5a</sup>, SO<sub>2</sub>NR<sup>5</sup>R<sup>5a</sup>, SO<sub>2</sub>R<sup>5b</sup>, C<sub>3-10</sub> carbocycle substituted with 0-5 R<sup>5</sup>, and 5-10 membered heterocycle containing from 1-4  
20 heteroatoms selected from O, N, and S, substituted with 0-3 R<sup>5</sup>; and

m is selected from 0, 1, 2, and 3.

25

2. A compound according to claim 1, wherein:

X is selected from the group: O, S, and NR;

30 R is selected from the group: H, C<sub>1-4</sub> alkyl, and NR<sup>5</sup>R<sup>5a</sup>;

R<sup>1</sup> is selected from the group: H, C<sub>1-5</sub> alkyl substituted with 0-3 R<sup>C</sup>, C<sub>2-5</sub> alkenyl substituted with 0-3 R<sup>C</sup>, C<sub>2-5</sub>

5       alkynyl substituted with 0-3  $R^C$ ,  $-NHR^4$ , C<sub>3-6</sub> carbocycle substituted with 0-5  $R^a$ , and 3-6 membered heterocycle containing from 1-4 heteroatoms selected from O, N, and S and substituted with 0-5  $R^b$ ;

10     $R^2$  is selected from the group: H, C<sub>1-5</sub> alkyl substituted with 0-3  $R^C$ , C<sub>2-5</sub> alkenyl substituted with 0-3  $R^C$ , C<sub>2-5</sub> alkynyl substituted with 0-3  $R^C$ ,  $-(CF_2)_mCF_3$ , C<sub>3-6</sub> carbocycle substituted with 0-5  $R^a$ , and 3-10 membered heterocycle containing from 1-4 heteroatoms selected  
15    from O, N, and S and substituted with 0-5  $R^b$ ;

$R^3$  is selected from the group: H, halo,  $-CN$ ,  $NO_2$ , C<sub>1-4</sub> haloalkyl,  $NR^5R^{5a}$ ,  $NR^5NR^5R^{5a}$ ,  $NR^5C(O)OR^5$ ,  $NR^5C(O)R^5$ ,  $=O$ ,  $OR^5$ ,  $COR^5$ ,  $CO_2R^5$ ,  $CONR^5R^{5a}$ ,  $NHC(O)NR^5R^{5a}$ ,  
20     $NHC(S)NR^5R^{5a}$ ,  $SO_2NR^5R^{5a}$ ,  $SO_2R^{5b}$ , C<sub>1-4</sub> alkyl, phenyl, benzyl, C<sub>1-4</sub> alkyl substituted with 1-3  $R^C$ , C<sub>5-10</sub> alkyl substituted with C<sub>2-10</sub> alkenyl optionally substituted with 0-3  $R^6$ , C<sub>2-10</sub> alkynyl substituted with 0-3  $R^6$ ,  $-(CF_2)_mCF_3$ , C<sub>3-10</sub> carbocycle substituted with 0-5  $R^6$ ,  
25    and 5-10 membered heterocycle containing from 1-4 heteroatoms selected from O, N, and S, substituted with 0-3  $R^6$ ; and

provided that if  $R^3$  is phenyl, it is substituted with 1-5  $R^a$ ;

30

5  $R^4$  is independently at each occurrence selected from the  
 group: H, -CN, C<sub>1-4</sub> alkyl, C<sub>1-4</sub> haloalkyl,  $NR^3R^{3a}$ ,  
 $NR^3C(O)OR^3$ ,  $NR^3C(O)R^3$ ,  $OR^3$ ,  $COR^3$ ,  $CO_2R^3$ ,  $CONR^3R^{3a}$ ,  
 $NHC(O)NR^3R^{3a}$ ,  $NHC(S)NR^3R^{3a}$ ,  $SO_2NR^3R^{3a}$ ,  $SO_2R^{3b}$ , C<sub>3-10</sub>  
 10 carbocycle substituted with 0-5  $R^a$ , and 5-10 membered  
 heterocycle containing from 1-4 heteroatoms selected  
 from O, N, and S, substituted with 0-3  $R^3$ ;

provided that at least one  $R^3$  is present and that this  $R^3$  is  
 selected from the group: C<sub>1-4</sub> alkyl substituted with 1-  
 15 3  $R^6$ , C<sub>5-10</sub> alkyl substituted with C<sub>2-10</sub> alkenyl  
 optionally substituted with 0-3  $R^6$ , C<sub>2-10</sub> alkynyl  
 substituted with 0-3  $R^6$ ,  $-(CF_2)_mCF_3$ , C<sub>3-10</sub> carbocycle  
 substituted with 0-5  $R^6$ , and 5-10 membered heterocycle  
 containing from 1-4 heteroatoms selected from O, N, and  
 20 S, substituted with 0-3  $R^6$ ;

$R^a$  is independently at each occurrence selected from the  
 group: halo, -CN,  $N_3$ ,  $NO_2$ , C<sub>1-4</sub> alkyl, C<sub>1-4</sub> haloalkyl,  
 $NR^3R^{3a}$ ,  $NR^3C(O)OR^3$ ,  $NR^3C(O)R^3$ , =O,  $OR^3$ ,  $COR^3$ ,  $CO_2R^3$ ,  
 25  $CONR^3R^{3a}$ ,  $NHC(O)NR^3R^{3a}$ ,  $NHC(S)NR^3R^{3a}$ ,  $SO_2NR^3R^{3a}$ ,  
 $SO_2R^{3b}$ , and 5-10 membered heterocycle containing from  
 1-4 heteroatoms selected from O, N, and S;

alternatively, when two  $R^a$ 's are present on adjacent carbon  
 30 atoms they combine to form -OCH<sub>2</sub>O- or -OCH<sub>2</sub>CH<sub>2</sub>O-;

5  $R^b$  is independently at each occurrence selected from the group: halo, -CN, NO<sub>2</sub>, C<sub>1-4</sub> alkyl, C<sub>1-4</sub> haloalkyl, NR<sup>3</sup>R<sup>3a</sup>, NR<sup>3</sup>C(O)OR<sup>3</sup>, NR<sup>3</sup>C(O)R<sup>3</sup>, OR<sup>3</sup>, COR<sup>3</sup>, CO<sub>2</sub>R<sup>3</sup>, CONR<sup>3</sup>R<sup>3a</sup>, NHC(O)NR<sup>3</sup>R<sup>3a</sup>, NHC(S)NR<sup>3</sup>R<sup>3a</sup>, SO<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, and SO<sub>2</sub>R<sup>3b</sup>;

10

$R^c$  is independently at each occurrence selected from the group: halo, -CN, NO<sub>2</sub>, C<sub>1-4</sub> alkyl, C<sub>1-4</sub> haloalkyl, NR<sup>3</sup>R<sup>3a</sup>, NR<sup>3</sup>C(O)OR<sup>3</sup>, NR<sup>3</sup>C(O)R<sup>3</sup>, NR<sup>5</sup>NR<sup>5</sup>R<sup>5a</sup>, =O, OR<sup>3</sup>, COR<sup>3</sup>, CO<sub>2</sub>R<sup>3</sup>, CONR<sup>3</sup>R<sup>3a</sup>, NHC(O)NR<sup>3</sup>R<sup>3a</sup>, NHC(S)NR<sup>3</sup>R<sup>3a</sup>,  
 15 SO<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, SO<sub>2</sub>R<sup>3b</sup>, C<sub>3-10</sub> carbocycle substituted with 0-5 R<sup>a</sup>, and 5-10 membered heterocycle containing from 1-4 heteroatoms selected from O, N, and S, substituted with 0-3 R<sup>3</sup>;

20  $R^{3a}$  is selected from the group: H, C<sub>1-4</sub> alkyl, phenyl, and benzyl;

alternatively, R<sup>3</sup> and R<sup>3a</sup>, together with the nitrogen atom to which they are attached, form a heterocycle having  
 25 4-8 atoms in the ring containing an additional 0-1 N, S, or O atom and substituted with 0-3 R<sup>3c</sup>;

$R^{3b}$  is selected from the group: H, C<sub>1-4</sub> alkyl, phenyl, and benzyl;

30

$R^{3c}$  is independently at each occurrence selected from the group: halo, -CN, N<sub>3</sub>, NO<sub>2</sub>, C<sub>1-4</sub> alkyl, C<sub>1-4</sub>

5        haloalkyl,  $\text{NR}^3\text{R}^{3b}$ ,  $=\text{O}$ ,  $\text{OR}^3$ ,  $\text{COR}^3$ ,  $\text{CO}_2\text{R}^3$ ,  $\text{CONR}^3\text{R}^{3b}$ ,  
       $\text{NHC}(\text{O})\text{NR}^3\text{R}^{3b}$ ,  $\text{NHC}(\text{S})\text{NR}^3\text{R}^{3b}$ ,  $\text{NR}^3\text{C}(\text{O})\text{OR}^3$ ,  $\text{NR}^3\text{C}(\text{O})\text{R}^3$ ,  
       $\text{SO}_2\text{NR}^3\text{R}^{3b}$ ,  $\text{SO}_2\text{R}^{3b}$ , and 5-10 membered heterocycle  
      containing from 1-4 heteroatoms selected from O, N, and  
      S;

10

$\text{R}^5$  is independently selected from the group: H, C<sub>1-4</sub> alkyl,  
      phenyl, and benzyl;

$\text{R}^{5a}$  is independently selected from the group: H, C<sub>1-4</sub>  
15        alkyl, phenyl and benzyl;

$\text{R}^{5b}$  is independently selected from the group: H, C<sub>1-4</sub>  
      alkyl, phenyl, and benzyl;

20     $\text{R}^6$  is independently at each occurrence selected from the  
      group: halo,  $-\text{CN}$ ,  $\text{NO}_2$ , C<sub>1-4</sub> alkyl, C<sub>1-4</sub> haloalkyl,  
       $\text{NR}^5\text{R}^5$ ,  $\text{NR}^5\text{NR}^5\text{R}^{5a}$ ,  $\text{NR}^5\text{C}(\text{O})\text{OR}^5$ ,  $\text{NR}^5\text{C}(\text{O})\text{R}^5$ ,  $=\text{O}$ ,  $\text{OR}^5$ ,  $\text{COR}^5$ ,  
       $\text{CO}_2\text{R}^5$ ,  $\text{CONR}^5\text{R}^{5a}$ ,  $\text{NHC}(\text{O})\text{NR}^5\text{R}^{5a}$ ,  $\text{NHC}(\text{S})\text{NR}^5\text{R}^{5a}$ ,  $\text{SO}_2\text{NR}^5\text{R}^{5a}$ ,  
       $\text{SO}_2\text{R}^{5b}$ , C<sub>3-10</sub> carbocycle substituted with 0-5  $\text{R}^5$ , and  
25        5-10 membered heterocycle containing from 1-4  
      heteroatoms selected from O, N, and S, substituted with  
      0-3  $\text{R}^5$ ; and

$m$  is selected from 0, 1, 2, and 3.

30

3. A compound according to claim 2, wherein:

5 X is selected from the group: O and S;

$R^1$  is selected from the group: H, C<sub>1-5</sub> alkyl substituted  
with 0-3  $R^C$ , C<sub>2-5</sub> alkenyl substituted with 0-3  $R^C$ ,  
-NHR<sup>4</sup>, C<sub>3-6</sub> carbocycle substituted with 0-5  $R^a$ , and 3-6  
10 membered heterocycle containing from 1-4 heteroatoms  
selected from O, N, and S and substituted with 0-5  $R^b$ ;

$R^2$  is selected from the group: H, C<sub>1-5</sub> alkyl substituted  
with 0-3  $R^C$ , C<sub>2-5</sub> alkenyl substituted with 0-3  $R^C$ ,  
15 -(CF<sub>2</sub>)<sub>m</sub>CF<sub>3</sub>, C<sub>3-6</sub> carbocycle substituted with 0-5  $R^a$ ,  
and 3-6 membered heterocycle containing from 1-4  
heteroatoms selected from O, N, and S and substituted  
with 0-5  $R^b$ ;

20  $R^3$  is selected from the group: H, halo, -CN, NO<sub>2</sub>, C<sub>1-4</sub>  
haloalkyl, NR<sup>5</sup>R<sup>5a</sup>, NR<sup>5</sup>NR<sup>5</sup>R<sup>5a</sup>, NR<sup>5</sup>C(O)OR<sup>5</sup>, NR<sup>5</sup>C(O)R<sup>5</sup>,  
=O, OR<sup>5</sup>, COR<sup>5</sup>, CO<sub>2</sub>R<sup>5</sup>, CONR<sup>5</sup>R<sup>5a</sup>, NHC(O)NR<sup>5</sup>R<sup>5a</sup>,  
NHC(S)NR<sup>5</sup>R<sup>5a</sup>, SO<sub>2</sub>NR<sup>5</sup>R<sup>5a</sup>, SO<sub>2</sub>R<sup>5b</sup>, C<sub>1-4</sub> alkyl, phenyl,  
benzyl, C<sub>1-4</sub> alkyl substituted with 1-3  $R^C$ , C<sub>5-10</sub> alkyl  
25 substituted with C<sub>2-10</sub> alkenyl optionally substituted  
with 0-3  $R^6$ , C<sub>2-10</sub> alkynyl substituted with 0-3  $R^6$ , -  
(CF<sub>2</sub>)<sub>m</sub>CF<sub>3</sub>, C<sub>3-10</sub> carbocycle substituted with 0-5  $R^6$ ,  
and 5-10 membered heterocycle containing from 1-4  
heteroatoms selected from O, N, and S, substituted with  
30 0-3  $R^6$ ; and



5 provided that if  $R^3$  is phenyl, it is substituted with 1-5  $R^a$ ;

$R^4$  is independently at each occurrence selected from the group: H, -CN, C<sub>1-4</sub> alkyl, C<sub>1-4</sub> haloalkyl,  $NR^3R^{3a}$ ,  
10  $NR^3C(O)OR^3$ ,  $NR^3C(O)R^3$ ,  $OR^3$ ,  $COR^3$ ,  $CO_2R^3$ ,  $CONR^3R^{3a}$ ,  
 $NHC(O)NR^3R^{3a}$ ,  $NHC(S)NR^3R^{3a}$ ,  $SO_2NR^3R^{3a}$ ,  $SO_2R^{3b}$ , C<sub>3-10</sub> carbocycle substituted with 0-5  $R^a$ , and 5-10 membered heterocycle containing from 1-4 heteroatoms selected from O, N, and S, substituted with 0-3  $R^3$ ;

15 provided that at least one  $R^3$  is present and that this  $R^3$  is selected from the group: C<sub>1-4</sub> alkyl substituted with 1-3  $R^6$ , C<sub>5-10</sub> alkyl substituted with C<sub>2-10</sub> alkenyl optionally substituted with 0-3  $R^6$ , C<sub>2-10</sub> alkynyl  
20 substituted with 0-3  $R^6$ ,  $-(CF_2)_mCF_3$ , C<sub>3-10</sub> carbocycle substituted with 0-5  $R^6$ , and 5-10 membered heterocycle containing from 1-4 heteroatoms selected from O, N, and S, substituted with 0-3  $R^6$ ;

25  $R^a$  is independently at each occurrence selected from the group: halo, -CN,  $N_3$ , C<sub>1-4</sub> alkyl, C<sub>1-4</sub> haloalkyl,  $NR^3R^{3a}$ ,  $NR^3C(O)OR^3$ ,  $NR^3C(O)R^3$ ,  $OR^3$ ,  $COR^3$ ,  $CO_2R^3$ ,  $CONR^3R^{3a}$ ,  $NHC(O)NR^3R^{3a}$ ,  $SO_2NR^3R^{3a}$ ,  $SO_2R^{3b}$ , and 5-10 membered heterocycle containing from 1-4 heteroatoms  
30 selected from O, N, and S;

5 alternatively, when two  $R^a$ 's are present on adjacent carbon atoms they combine to form  $-OCH_2O-$  or  $-OCH_2CH_2O-$ ;

$R^b$  is independently at each occurrence selected from the group: halo,  $-CN$ ,  $C_{1-4}$  alkyl,  $C_{1-4}$  haloalkyl,  $NR^3R^{3a}$ ,  
10  $NR^3C(O)OR^3$ ,  $NR^3C(O)R^3$ ,  $OR^3$ ,  $COR^3$ ,  $CO_2R^3$ ,  $CONR^3R^{3a}$ ,  
 $NHC(O)NR^3R^{3a}$ ,  $SO_2NR^3R^{3a}$ , and  $SO_2R^{3b}$ ;

$R^c$  is independently at each occurrence selected from the group: halo,  $-CN$ ,  $C_{1-4}$  alkyl,  $C_{1-4}$  haloalkyl,  $NR^3R^{3a}$ ,  
15  $NR^5NR^5R^{5a}$ ,  $NR^3C(O)OR^3$ ,  $NR^3C(O)R^3$ ,  $=O$ ,  $OR^3$ ,  $COR^3$ ,  $CO_2R^3$ ,  
 $CONR^3R^{3a}$ ,  $NHC(O)NR^3R^{3a}$ ,  $SO_2NR^3R^{3a}$ ,  $SO_2R^{3b}$ ,  $C_{3-10}$   
carbocycle substituted with 0-5  $R^a$ , and 5-10 membered heterocycle containing from 1-4 heteroatoms selected from O, N, and S, substituted with 0-3  $R^3$ ;

20

$R^{3a}$  is selected from the group: H,  $C_{1-4}$  alkyl, phenyl, and benzyl;

alternatively,  $R^3$  and  $R^{3a}$ , together with the nitrogen atom  
25 to which they are attached, form a heterocycle having 5-6 atoms in the ring containing an additional 0-1 N, S, or O atom and substituted with 0-3  $R^{3c}$ ;

$R^{3b}$  is selected from the group: H,  $C_{1-4}$  alkyl, phenyl, and  
30 benzyl;

5  $R^{3c}$  is independently at each occurrence selected from the  
 group: halo, -CN,  $N_3$ ,  $NO_2$ , C1-4 alkyl, C1-4  
 haloalkyl,  $NR^3R^{3b}$ , =O,  $OR^3$ ,  $COR^3$ ,  $CO_2R^3$ ,  $CONR^3R^{3b}$ ,  
 $NHC(O)NR^3R^{3b}$ ,  $NHC(S)NR^3R^{3b}$ ,  $NR^3C(O)OR^3$ ,  $NR^3C(O)R^3$ ,  
 $SO_2NR^3R^{3b}$ ,  $SO_2R^{3b}$ , and 5-10 membered heterocycle  
 10 containing from 1-4 heteroatoms selected from O, N, and  
 S;

$R^5$  is independently selected from the group: H, C1-4 alkyl,  
 phenyl, and benzyl;

15

$R^{5a}$  is independently selected from the group: H, C1-4  
 alkyl, phenyl and benzyl;

$R^{5b}$  is independently selected from the group: H, C1-4  
 20 alkyl, phenyl, and benzyl;

$R^6$  is independently at each occurrence selected from the  
 group: halo, -CN,  $NO_2$ , C1-4 alkyl, C1-4 haloalkyl,  
 $NR^5R^5$ ,  $NR^5NR^5R^{5a}$ ,  $NR^5C(O)OR^5$ ,  $NR^5C(O)R^5$ , =O,  $OR^5$ ,  $COR^5$ ,  
 25  $CO_2R^5$ ,  $CONR^5R^{5a}$ ,  $NHC(O)NR^5R^{5a}$ ,  $NHC(S)NR^5R^{5a}$ ,  $SO_2NR^5R^{5a}$ ,  
 $SO_2R^{5b}$ , C3-10 carbocycle substituted with 0-5  $R^5$ , and  
 5-10 membered heterocycle containing from 1-4  
 heteroatoms selected from O, N, and S, substituted with  
 0-3  $R^5$ ; and

30

m is selected from 0, 1, 2, and 3.

5

4. A compound according to claim 3, wherein:

X is selected from the group: O and S;

10  $R^1$  is selected from the group: H, C<sub>1-5</sub> alkyl substituted with 0-2  $R^c$ , -NHR<sup>4</sup>, C<sub>3-6</sub> carbocycle substituted with 0-5  $R^a$ , and 5-6 membered heterocycle containing from 1-4 heteroatoms selected from O, N, and S and substituted with 0-5  $R^b$ ;

15

$R^2$  is selected from the group: H, C<sub>1-5</sub> alkyl substituted with 0-3  $R^c$ , -(CF<sub>2</sub>)<sub>m</sub>CF<sub>3</sub>, C<sub>3-6</sub> carbocycle substituted with 0-5  $R^a$ , and 5-6 membered heterocycle containing from 1-4 heteroatoms selected from O, N, and S and substituted with 0-3  $R^b$ ;

20

$R^3$  is selected from the group: H, halo, -CN, NO<sub>2</sub>, C<sub>1-4</sub> haloalkyl, NR<sup>5</sup>R<sup>5a</sup>, NR<sup>5</sup>NR<sup>5</sup>R<sup>5a</sup>, NR<sup>5</sup>C(O)OR<sup>5</sup>, NR<sup>5</sup>C(O)R<sup>5</sup>, =O, OR<sup>5</sup>, COR<sup>5</sup>, CO<sub>2</sub>R<sup>5</sup>, CONR<sup>5</sup>R<sup>5a</sup>, NHC(O)NR<sup>5</sup>R<sup>5a</sup>,  
 25 NHC(S)NR<sup>5</sup>R<sup>5a</sup>, SO<sub>2</sub>NR<sup>5</sup>R<sup>5a</sup>, SO<sub>2</sub>R<sup>5b</sup>, C<sub>1-4</sub> alkyl, phenyl, benzyl, C<sub>1-4</sub> alkyl substituted with 1-3  $R^c$ , C<sub>5-10</sub> alkyl substituted with C<sub>2-10</sub> alkenyl optionally substituted with 0-3  $R^6$ , C<sub>2-10</sub> alkynyl substituted with 0-3  $R^6$ , - (CF<sub>2</sub>)<sub>m</sub>CF<sub>3</sub>, C<sub>3-10</sub> carbocycle substituted with 0-5  $R^6$ ,  
 30 and 5-10 membered heterocycle containing from 1-4

5 heteroatoms selected from O, N, and S, substituted with  
0-3  $R^6$ ; and

provided that if  $R^3$  is phenyl, it is substituted with 1-5  
 $R^a$ ;

10  $R^4$  is independently at each occurrence selected from the  
group: H, -CN, C<sub>1-4</sub> alkyl, C<sub>1-4</sub> haloalkyl,  $NR^3R^{3a}$ ,  
 $NR^3C(O)OR^3$ ,  $NR^3C(O)R^3$ ,  $OR^3$ ,  $COR^3$ ,  $CO_2R^3$ ,  $CONR^3R^{3a}$ ,  
 $NHC(O)NR^3R^{3a}$ ,  $NHC(S)NR^3R^{3a}$ ,  $SO_2NR^3R^{3a}$ ,  $SO_2R^{3b}$ , C<sub>3-10</sub>  
carbocycle substituted with 0-5  $R^a$ , and 5-10 membered  
15 heterocycle containing from 1-4 heteroatoms selected  
from O, N, and S, substituted with 0-3  $R^3$ ;

provided that at least one  $R^3$  is present and that this  $R^3$  is  
selected from the group: C<sub>1-4</sub> alkyl substituted with 1-  
20 3  $R^6$ , C<sub>5-10</sub> alkyl substituted with C<sub>2-10</sub> alkenyl  
optionally substituted with 0-3  $R^6$ , C<sub>2-10</sub> alkynyl  
substituted with 0-3  $R^6$ ,  $-(CF_2)_mCF_3$ , C<sub>3-10</sub> carbocycle  
substituted with 0-5  $R^6$ , and 5-10 membered heterocycle  
containing from 1-4 heteroatoms selected from O, N, and  
25 S, substituted with 0-3  $R^6$ ;

$R^a$  is independently at each occurrence selected from the  
group: halo, -CN,  $N_3$ , C<sub>1-4</sub> alkyl, C<sub>1-4</sub> haloalkyl,  
 $NR^3R^{3a}$ ,  $NR^3C(O)OR^3$ ,  $NR^3C(O)R^3$ ,  $OR^3$ ,  $COR^3$ ,  $CO_2R^3$ ,  
30  $CONR^3R^{3a}$ ,  $NHC(O)NR^3R^{3a}$ ,  $SO_2NR^3R^{3a}$ ,  $SO_2R^{3b}$ , and 5-6

5           membered heterocycle containing from 1-4 heteroatoms  
          selected from O, N, and S;..

          alternatively, when two R<sup>a</sup>'s are present on adjacent carbon  
          atoms they combine to form -OCH<sub>2</sub>O- or -OCH<sub>2</sub>CH<sub>2</sub>O-;

10

R<sup>b</sup> is independently at each occurrence selected from the  
          group: halo, C<sub>1-4</sub> alkyl, C<sub>1-4</sub> haloalkyl, NR<sup>3</sup>R<sup>3a</sup>,  
          NR<sup>3</sup>C(O)OR<sup>3</sup>, NR<sup>3</sup>C(O)R<sup>3</sup>, OR<sup>3</sup>, COR<sup>3</sup>, CO<sub>2</sub>R<sup>3</sup>, CONR<sup>3</sup>R<sup>3a</sup>,  
          NHC(O)NR<sup>3</sup>R<sup>3a</sup>, SO<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, and SO<sub>2</sub>R<sup>3b</sup>;

15

R<sup>c</sup> is independently at each occurrence selected from the  
          group: halo, C<sub>1-4</sub> alkyl, C<sub>1-4</sub> haloalkyl, NR<sup>3</sup>R<sup>3a</sup>,  
          NR<sup>5</sup>NR<sup>5</sup>R<sup>5a</sup>, NR<sup>3</sup>C(O)OR<sup>3</sup>, NR<sup>3</sup>C(O)R<sup>3</sup>, OR<sup>3</sup>, COR<sup>3</sup>, CO<sub>2</sub>R<sup>3</sup>,  
          CONR<sup>3</sup>R<sup>3a</sup>, NHC(O)NR<sup>3</sup>R<sup>3a</sup>, SO<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, SO<sub>2</sub>R<sup>3b</sup>, C<sub>3-10</sub>

20          carbocycle substituted with 0-5 R<sup>a</sup>, and 5-6 membered  
          heterocycle containing from 1-4 heteroatoms selected  
          from O, N, and S, substituted with 0-3 R<sup>3</sup>;

          R<sup>3a</sup> is selected from the group: H, C<sub>1-4</sub> alkyl, phenyl, and  
25          benzyl;

          alternatively, R<sup>3</sup> and R<sup>3a</sup>, together with the nitrogen atom  
          to which they are attached, form a heterocycle having  
          5-6 atoms in the ring containing an additional 0-1 N,  
30          S, or O atom and substituted with 0-3 R<sup>3c</sup>;

5  $R^{3b}$  is selected from the group: H, C<sub>1-4</sub> alkyl, phenyl, and benzyl;

$R^{3c}$  is independently at each occurrence selected from the group: halo, -CN, N<sub>3</sub>, NO<sub>2</sub>, C<sub>1-4</sub> alkyl, C<sub>1-4</sub>

10 haloalkyl,  $NR^3R^{3b}$ , =O, OR<sup>3</sup>, COR<sup>3</sup>, CO<sub>2</sub>R<sup>3</sup>, CONR<sup>3</sup>R<sup>3b</sup>,  
NHC(O)NR<sup>3</sup>R<sup>3b</sup>, NHC(S)NR<sup>3</sup>R<sup>3b</sup>, NR<sup>3</sup>C(O)OR<sup>3</sup>, NR<sup>3</sup>C(O)R<sup>3</sup>,  
SO<sub>2</sub>NR<sup>3</sup>R<sup>3b</sup>, SO<sub>2</sub>R<sup>3b</sup>, and 5-10 membered heterocycle  
containing from 1-4 heteroatoms selected from O, N, and  
S;

15

$R^5$  is independently selected from the group: H and C<sub>1-4</sub>  
alkyl;

$R^{5a}$  is independently selected from the group: H, C<sub>1-4</sub>  
20 alkyl, phenyl and benzyl;

$R^{5b}$  is independently selected from the group: H and C<sub>1-4</sub>  
alkyl;

25  $R^6$  is independently at each occurrence selected from the  
group: halo, -CN, NO<sub>2</sub>, C<sub>1-4</sub> alkyl, C<sub>1-4</sub> haloalkyl,  
 $NR^5R^5$ ,  $NR^5NR^5R^{5a}$ ,  $NR^5C(O)OR^5$ ,  $NR^5C(O)R^5$ , =O, OR<sup>5</sup>, COR<sup>5</sup>,  
CO<sub>2</sub>R<sup>5</sup>, CONR<sup>5</sup>R<sup>5a</sup>, NHC(O)NR<sup>5</sup>R<sup>5a</sup>, NHC(S)NR<sup>5</sup>R<sup>5a</sup>, SO<sub>2</sub>NR<sup>5</sup>R<sup>5a</sup>,  
SO<sub>2</sub>R<sup>5b</sup>, C<sub>3-10</sub> carbocycle substituted with 0-5 R<sup>5</sup>, and  
30 5-10 membered heterocycle containing from 1-4  
heteroatoms selected from O, N, and S, substituted with  
0-3 R<sup>5</sup>; and

5

m is selected from 0, 1, 2, and 3.

5. A compound according to claim 1, wherein the compound  
10 is selected from:

- (a) 3-(4-methoxyphenyl)-5-(2-benzoylhydrazinecarboxamido)indeno [1,2-c]pyrazol-4-one;  
15
- (b) 3-(4-methoxyphenyl)-5-(2-isonicotinoylhydrazine carboxamido)indeno[1,2-c]pyrazol-4-one;
- (c) 3-(4-methoxyphenyl)-5-(2-nicotinoylhydrazine  
20 carboxamido)indeno[1,2-c]pyrazol-4-one;
- (d) 3-(4-methoxyphenyl)-5-(2-(3,4-dihydroxybenzoyl)hydrazine carboxamido)indeno[1,2-c]pyrazol-4-one;  
25
- (e) 3-(4-methoxyphenyl)-5-(2-(4-hydroxybenzoyl)hydrazine carboxamido)indeno[1,2-c]pyrazol-4-one;
- (f) 3-(4-methoxyphenyl)-5-(2-(3-aminobenzoyl)hydrazine  
30 carboxamido)indeno[1,2-c]pyrazol-4-one;
- (g) 3-(4-methoxyphenyl)-5-(2-(4-aminobenzoyl)hydrazine carboxamido)indeno[1,2-c]pyrazol-4-one;
- 35 (h) 3-(4-methoxyphenyl)-5-(2-(2-aminobenzoyl)hydrazine carboxamido)indeno[1,2-c]pyrazol-4-one;



5

(i) 3-(4-methoxyphenyl)-5-(2-(4-N,N-dimethylaminobenzoyl)hydrazinecarboxamido)indeno[1,2-c]pyrazol-4-one;

10

(j) 3-(4-methoxyphenyl)-5-(2-phenethylacetylhydrazinecarboxamido)indeno[1,2-c]pyrazol-4-one;

(k) 3-(4-methoxyphenyl)-5-(2-(2-hydroxybenzoyl)hydrazinecarboxamido)indeno[1,2-c]pyrazol-4-one; and

15

(l) 3-(4-methoxyphenyl)-5-(2-methoxycarbonylhydrazinecarboxamido)indeno[1,2-c]pyrazol-4-one;

(m) 1-[3-(4-methoxy-phenyl)-4-oxo-2,4-dihydro-indeno[1,2-c]pyrazol-5-yl]-3-morpholin-4-yl-urea;

20

(n) [3-(4-methoxy-phenyl)-4-oxo-2,4-dihydro-indeno[1,2-c]pyrazol-5-yl]-urea;

25

(o) 1-(2-amino-cyclohexyl)-3-[3-(4-methoxy-phenyl)-4-oxo-2,4-dihydro-indeno[1,2-c]pyrazol-5-yl]-urea;

(p) 2-(4-aminomethyl-piperidin-1-yl)-N-[3-(4-methoxy-phenyl)-4-oxo-2,4-dihydro-indeno[1,2-c]pyrazol-5-yl]-acetamide;

30

(q) 1-[3-(4-methoxy-phenyl)-4-oxo-2,4-dihydro-indeno[1,2-c]pyrazol-5-yl]-3-morpholin-4-yl-urea.

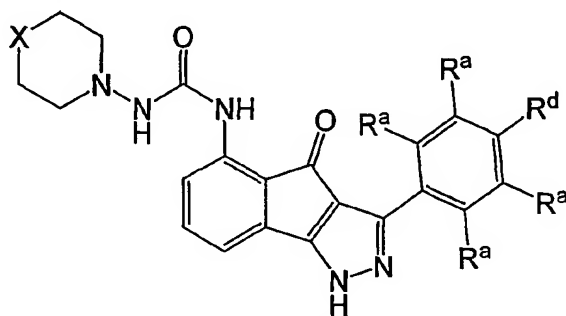
or a pharmaceutically acceptable salt thereof.

35

6. A pharmaceutical composition, comprising: a pharmaceutically acceptable carrier and a therapeutically effective amount of a compound of claim 1.

7. A method of treating cancer and proliferative diseases comprising: administering to a host in need of such treatment a therapeutically effective amount of a compound of claim 1, or a pharmaceutically acceptable salt or prodrug form thereof.

8. A compound according to formula (II) :



or a stereoisomer or pharmaceutically acceptable salt form thereof, wherein:

X is selected from the group: O and NR;

R is selected from the group: H, C<sub>1-4</sub> alkyl, NR<sup>3</sup>R<sup>3a</sup>, and C<sub>1-4</sub> alkyl substituted with 1-3 R<sup>c</sup>;

R<sup>3</sup> is selected from the group: H, halo, -CN, NO<sub>2</sub>, C<sub>1-4</sub> haloalkyl, NR<sup>5</sup>R<sup>5a</sup>, NR<sup>5</sup>NR<sup>5</sup>R<sup>5a</sup>, NR<sup>5</sup>C (O) OR<sup>5</sup>, NR<sup>5</sup>C (O) R<sup>5</sup>, =O, OR<sup>5</sup>, COR<sup>5</sup>, CO<sub>2</sub>R<sup>5</sup>, CONR<sup>5</sup>R<sup>5a</sup>, NHC (O) NR<sup>5</sup>R<sup>5a</sup>, NHC (S) NR<sup>5</sup>R<sup>5a</sup>, SO<sub>2</sub>NR<sup>5</sup>R<sup>5a</sup>, SO<sub>2</sub>R<sup>5b</sup>, C<sub>1-4</sub> alkyl, phenyl, benzyl, C<sub>1-4</sub> alkyl substituted with 1-3 R<sup>c</sup>, C<sub>5-10</sub> alkyl substituted with C<sub>2-10</sub> alkenyl optionally substituted with 0-3 R<sup>6</sup>, C<sub>2-10</sub> alkynyl substituted with 0-3 R<sup>6</sup>, - (CF<sub>2</sub>)<sub>m</sub>CF<sub>3</sub>, C<sub>3-10</sub> carbocycle substituted with 0-5 R<sup>6</sup>, and 5-10

membered heterocycle containing from 1-4 heteroatoms selected from O, N, and S, substituted with 0-3 R<sup>6</sup>; and

provided that if R<sup>3</sup> is phenyl, it is substituted with 1-5 R<sup>a</sup>;

5

R<sup>3a</sup> is selected from the group: H, C<sub>1-4</sub> alkyl, phenyl, and benzyl;

R<sup>3b</sup> is selected from the group: H, C<sub>1-4</sub> alkyl, phenyl, and benzyl;

10 R<sup>5</sup> is independently selected from the group: H, C<sub>1-4</sub> alkyl, phenyl and benzyl;

R<sup>5a</sup> is independently selected from the group: H, C<sub>1-4</sub> alkyl, phenyl, and benzyl;

15

R<sup>5b</sup> is independently selected from the group: H, C<sub>1-4</sub> alkyl, phenyl, and benzyl;

20 R<sup>6</sup> is independently at each occurrence selected from the group: halo, -CN, NO<sub>2</sub>, C<sub>1-4</sub> alkyl, C<sub>1-4</sub> haloalkyl, NR<sup>5</sup>R<sup>5</sup>, NR<sup>5</sup>NR<sup>5</sup>R<sup>5a</sup>, NR<sup>5</sup>C (O) OR, NR<sup>5</sup>C (O) R<sup>5</sup>, =O, OR<sup>5</sup>, COR<sup>5</sup>, CO<sub>2</sub>R<sup>5</sup>, CONR<sup>5</sup>R<sup>5a</sup>, NHC (O) NR<sup>5</sup>R<sup>5a</sup>, NHC (S) NR<sup>5</sup>R<sup>5a</sup>, SO<sub>2</sub>NR<sup>5</sup>R<sup>5a</sup>, SO<sub>2</sub>R<sup>5b</sup>, C<sub>3-10</sub> carbocycle substituted with 0-5 R<sup>5</sup>, and 5-10 membered heterocycle containing from 1-4 heteroatoms selected from O, N, and S, substituted with 0-3 R<sup>5</sup>;

25

R<sup>a</sup> is independently at each occurrence selected from the group: H, halo, C<sub>1-4</sub> alkyl, NR<sup>3</sup>R<sup>3a</sup>, and R<sup>3</sup>;

30 R<sup>c</sup> is independently at each occurrence selected from the group: halo, -CN, NO<sub>2</sub>, C<sub>1-4</sub> alkyl, C<sub>1-4</sub> haloalkyl, NR<sup>3</sup>R<sup>3a</sup>, NR<sup>5</sup>NR<sup>5</sup>R<sup>5a</sup>, NR<sup>3</sup>C (O) OR<sup>3</sup>, NR<sup>3</sup>C (O) R<sup>3</sup>, =O, OR<sup>3</sup>, COR<sup>3</sup>, CO<sub>2</sub>R<sup>3</sup>, CONR<sup>3</sup>R<sup>3a</sup>, NHC

(O)  $\text{NR}^3\text{R}^{3a}$ , NHC (S)  $\text{NR}^3\text{R}^{3a}$ ,  $\text{SO}_2\text{NR}^3\text{R}^{3a}$ ,  $\text{SO}_2\text{R}^{3b}$ ,  $\text{C}_{3-10}$  carbocycle substituted with 0-5  $\text{R}^a$ , and 5-10 membered heterocycle containing from 1-4 heteroatoms selected from O, N, and S, substituted with 0-3  $\text{R}^3$ ;

5

$\text{R}^d$  is independently at each occurrence selected from the group:  $\text{OR}^3$ ,  $\text{COR}^3$ , and  $\text{NR}^3\text{R}^{3a}$ ; and

m is selected from 0, 1, 2, and 3.

10

9. A pharmaceutical composition, comprising: a pharmaceutically acceptable carrier and a therapeutically effective amount of a compound of claim 8.

15

10. A method of treating cancer and proliferative diseases comprising: administering to a host in need of such treatment a therapeutically effective amount of a compound of claim 8, or a pharmaceutically acceptable salt or prodrug form thereof.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/22663

### BOX I. OBSERVATIONS WHERE CLAIMS WERE FOUND UNSEARCHABLE

#### 2. Where no meaningful search could be carried out, specifically:

In these claims, the numerous variables (e.g. R1, R2, X, Rc, R4, Ra, Rb, R3, etc.) and their voluminous, complex meanings and their seemingly endless permutations and combinations plus the involved proviso sections and the lengthy list of named compounds (claim 6), make it virtually impossible to determine the full scope and complete meaning of the claimed subject matter. As presented, the claimed subject matter cannot be regarded as being a clear and concise description for which protection is sought and as such the listed claims do not comply with the requirements of PCT Article 6. Thus it is impossible to carry out a meaningful search on same. A search will be made on the first discernable invention of claim 5, the first compound therein.

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US02/22663

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☒ Claims Nos.: 1-4 and 6-10  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:  
  
Please See Extra Sheet.
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
  
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.  
☐ No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US02/22668

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07D 231/54

US CL : 548/359.1

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 548/359.1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CAS ONLINE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A,P	Database CAS ONLINE on STN, Chem. Abstr., Accession no. 2001: 6874444, Vol. 135, No. 242226, NUGIEL, D. et al, 'Preparation of a new acylsemicarbizide-containing indeno(1,2-c)pyrazol-4-ones as cyclin dependent kinase (cdk) inhibitors ', US 6291504, (2001/09/18), abstract.	5



Further documents are listed in the continuation of Box C.



See patent family annex.

	Special categories of cited documents:		
"A"	document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"B"	earlier document published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

05 MARCH 2003

Date of mailing of the international search report

07 APR 2003

Name and mailing address of the ISA/US  
Commissioner of Patents and Trademarks  
Box PCT  
Washington, D.C. 20231

Facsimile No. (703) 505-3230

Authorized officer

R. W. RAMSUER

Telephone No. (703) 508-1235

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
30 January 2003 (30.01.2003)

PCT

(10) International Publication Number  
**WO 03/007883 A3**

(51) International Patent Classification<sup>7</sup>: **C07D 231/54**

(21) International Application Number: PCT/US02/22663

(22) International Filing Date: 16 July 2002 (16.07.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
09/906,963 16 July 2001 (16.07.2001) US

(71) Applicant (for all designated States except US): **BRISTOL-MYERS SQUIBB PHARMA COMPANY** [US/US]; P. O. Box 4000, Route 206 and Provinceline Road, Princeton, NJ 08543-4000 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **NUGIEL, David** [US/US]; 8 Vanessan Court, Cherry Hill, NJ 08003 (US). **CARINI, David** [US/US]; 1921 Julian Road, Wilmington, DE 19803 (US). **DIMEO, Susan** [US/US]; 406 Clayton Avenue, Wilmington, DE 19809 (US). **VIDWANS, Anup** [IN/US]; 25 Angelica Drive, Avondale, PA 19311 (US). **YUE, Eddy** [US/US]; 9 Altemus Drive, Landenberg, PA 19350 (US).

(74) Agents: **PATEL, Rena et al.**; Bristol-Myers Squibb Company, P.O. Box 4000, Princeton, NJ 08543-4000 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

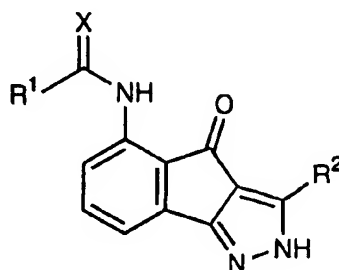
**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:  
22 May 2003

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **ACYLSEMICARBAZIDES AS CYCLIN DEPENDENT KINASE INHIBITORS USEFUL AS ANTI-CANCER AND ANTI-PROLIFERATIVE AGENTS**



(I)

(57) Abstract: The present invention relates to the synthesis of a new class of indeno[1,2-c]pyrazol-4-ones of formula (I) that are potent inhibitors of the class of enzymes known as cyclin dependent kinases, which relate to the catalytic subunits cdk1-7 and their regulatory subunits known as cyclins A-G. This invention also provides a novel method of treating cancer or other proliferative diseases by administering a therapeutically effective amount of one of these compounds or a pharmaceutically acceptable salt form thereof. Alternatively, one can treat cancer or other proliferative diseases by administering a therapeutically effective combination of one of the compounds of the present invention and one or more other known anti-cancer or anti-proliferative agents.